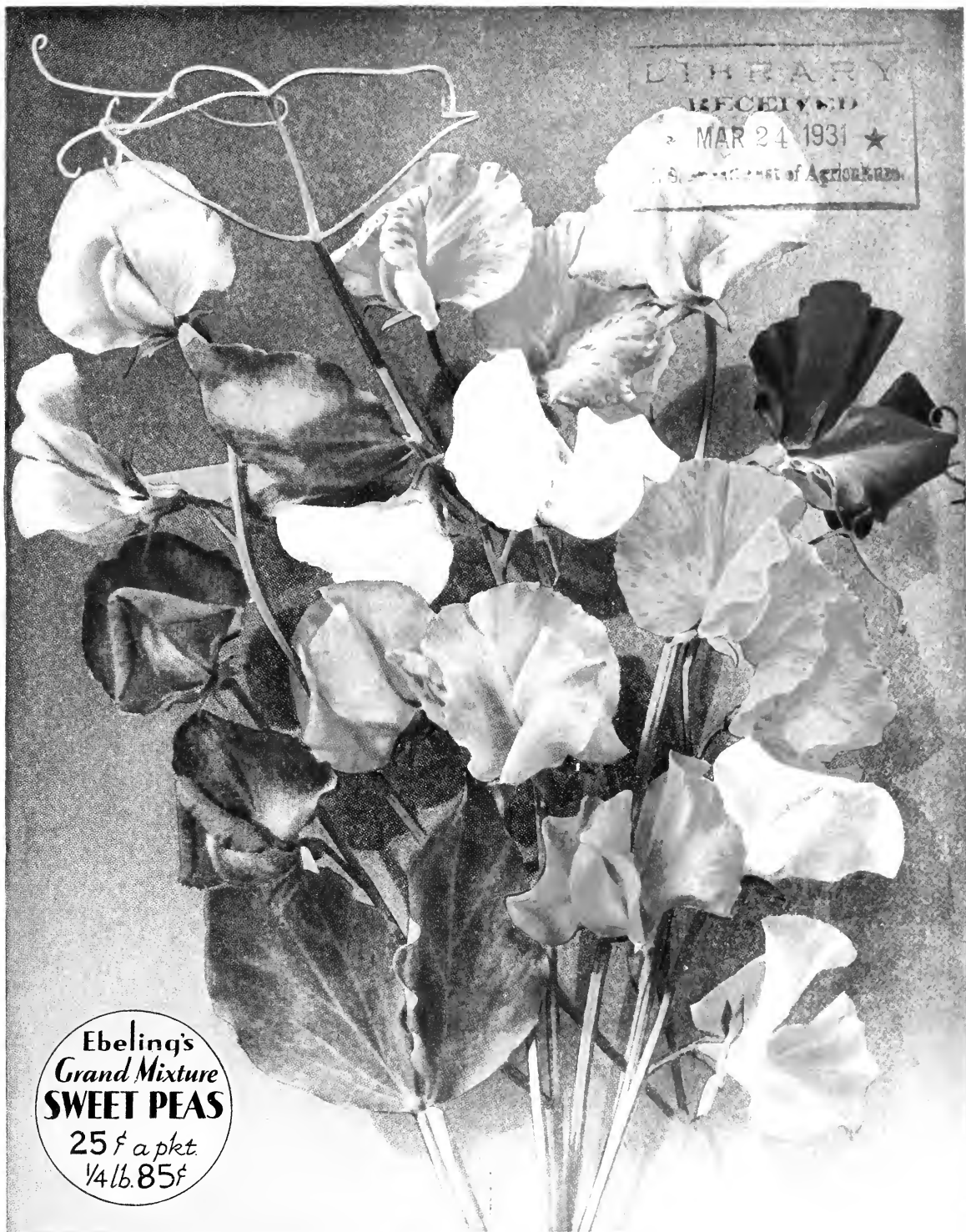


Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

“Flowers have been called the smiles of God”



Ebeling's
Grand Mixture
SWEET PEAS

25¢ a pkt.
1/4 lb. 85¢

J.H. Ebeling

SYRACUSE, NEW YORK

1868 — 63rd Year — 1931

Everything for the
Farm, Garden, Lawn.
Poultry and Bird Sup-
plies, Dog Foods

Ebeling's Seed Book for 1931

1868-1931 Sixty-third Annual Edition

It has always been our aim to supply only the best grade of seeds obtainable and a strict adherence to the principle of giving our customers the very best value for their money, has enabled us to largely increase our business from a very small beginning sixty-three years ago. This store still remains in the same building in which it started, and is one of the best equipped Seed, Hardware and Implement Stores in Central New York.

Our Pet Department is very attractive and interesting.

We are organized and prepared to give you better service than ever in the sixty-three years of business.

Many of our customers have been on our mailing list for more than half a century, and we will spare no effort to care for every order given us in such a manner that will merit the continued confidence of the purchaser.

Our Warehouse is located on three streets, Canal Street on the North, Howard Street on the West and the New Erie Boulevard on the South. This affords free and safe parking for our customers, away from the confusion and congestion of down town traffic.

We offer special prices on Seeds, Tools, Machinery, etc., purchased at our Warehouse Branch Store for the season of 1931. You can trade there with comfort, safety and profit. Our Warehouse overhead is light and we give you the benefit of our reduced prices.

Non-Warranty

Sometimes, though not often, our seeds do not come up after planting. This may be due to one or more of several reasons, such as covering too deeply or not deeply enough, too much or too little water, too cold weather or a baking sun which forms a crust, too hard for the tender shoots to penetrate. Sometimes insects destroy plants at the surface, before they are seen by the gardener. We cannot personally direct the use of our goods after they leave our hands; neither can we fully control anywhere or at any time the operation of natural law as it affects seeds; therefore, we give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds or bulbs we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

F. H. EBELING

USEFUL TABLES

Of Plants per Acre at the following distances apart.				Number of Plants Produced from 1 oz. of Seed.			
1	ft. by 1	ft.	6 ft. by 6	Plants	Plants	Plants	Plants
1 1/2	"	1 1/2	8	Asparagus	about 500	Kale	about 2,000
2	"	1	9	Broccoli	" 2,000	Leek	" 1,000
2 1/2	"	3/4	10	Cabbage	" 3,000	Lettuce	" 3,000
3	"	2	12	Cauliflower	" 4,000	Pepper	" 2,000
3 1/2	"	1 1/2	15	Celery	" 4,000	Sage	" 1,000
4	"	1	18	Eggplant	" 1,000	Tomato	" 3,000
4 1/2	"	3/4	20	Endive	" 3,000	Thyme	" 5,000
5	"	5	30				

SEED SOWN PER ACRE

Seed Sown per Acre	Weight per bu.	Seed Sown per Acre	Weight per bu.	Seed Sown per Acre	Weight per bu.
Alfalfa or Lucerne, 20 to 30 lbs.	60 lbs.	Corn, Field, 1/4 bu.	56 to 60 lbs.	Potatoes, 6 to 8 bus.	60 lbs.
Barley, 1 1/2 to 2 bus.	48 lbs.	Corn, Sweet, 1/4 bu.	about 45 lbs.	Pumpkin Seed, 4 qts.	27 lbs.
Beans, Field, 1/3 to 1/2 bu.	60 lbs.	Cucumber, 1 lb.	250 sq. ft.	Rape, Dwarf Essex, 4 to 6 lbs.	60 lbs.
Beans, Green Soy, 3/4 bu.	60 lbs.	Lawn Seed, 1 lb.	250 sq. ft.	Red Top, Recleaned, 15 lbs.	30 lbs.
Beet, 4 to 6 lbs.	60 lbs.	Meadow Fescue, 2 bus.	22 lbs.	Rye, 1 to 2 bus., Winter and Spring	56 lbs.
Blue Grass, 2 bus.	14 lbs.	Meadow Foxtail, 3 bus.	7 lbs.	Sorghum, 1 1/2 to 2 bus.	56 lbs.
Bromus Inermis, 20 lbs.	14 lbs.	Meadow Grass, 35 lbs.	18 lbs.	Spinach	8 to 10 lbs.
Buckwheat, 1 to 1 1/2 bus.	48 to 50 lbs.	Flax Seed, 1/2 to 3/4 bu.	56 lbs.	Squash	2 1/2 lbs.
Cabbage, 1/4 lb.	50 lbs.	Millet, 1/2 to 3/4 bu.	50 lbs.	Sweet Vernal, 1 to 1 1/2 bus.	11 lbs.
Carrot, 2 1/2 to 3 lbs.	20 lbs.	Millet, Hungarian, 1/2 to 3/4 bu.	48 lbs.	Timothy, 1/4 to 1/2 bu.	45 lbs.
Clover, Alsike, 5 to 10 lbs.	60 lbs.	Oats, 2 to 3 bus.	32 lbs.	Turnip, 1 lb.	10 lbs.
Clover, Crimson, 15 lbs.	60 lbs.	Onion, 5 to 6 lbs.	56 lbs.	Vetch, Hairy, 25 lbs.	60 lbs.
Clover, Red, 10 to 15 lbs.	60 lbs.	Orchard Grass, 2 bus.	14 lbs.	Vetch, Spring (plus 1 bu. small grain)	60 lbs.
Clover, Sweet, 25 lbs.	60 lbs.	Peas, Field, 2 1/4 bus.	60 lbs.	Wheat, 2 bus., Winter and Spring	60 lbs.
Clover, White, 10 to 12 lbs.	60 lbs.	Peas, Cow, 1/2 bu.	about 50 lbs.		
Corn, Ensilage, 1/4 to 1/2 bu.	56 lbs.	Peas, Wrinkled	about 50 lbs.		



Mixed Asters.



Calendula.



Everblooming Carnations.



Early Mammoth Cosmos.

TAKE CARE OF YOUR LAWN "This is Your Country—Beautify It"



Home of Mrs. H. W. Duguid, 1609 James St., showing our garden furniture and fencing—also a portion of the lawn and garden with little grand-daughter in center.

Ebeling's Evergreen Lawn Grass Seed

Our special brands of Lawn Grass Seeds are noted for their adaptability to various situations and soil conditions, and are now used in every section of the country for making private lawns, and also on the grounds of many leading Country Clubs, Athletic Clubs, Schools, and Institutions, etc. These mixtures have long enjoyed an enviable reputation for their general excellence, and it will always be our aim to maintain their high quality by the use of only the finest re-cleaned Grass Seeds, as free from all impurities as the most modern machinery can make them.

Quantity of Lawn Grass Seed to Sow. One pound is sufficient for 200 square feet; 150 pounds for an acre, or for renovating an old lawn use one-half these quantities.

Ebeling's Evergreen Lawn Grass

This is by far the best mixture of grasses offered for the purpose of quickly producing a permanent lawn. It is prepared from our own formula, and is a careful blending of varieties adapted to producing the thick growth and velvety appearance so much sought after. Each variety of grass in its composition is there for a special purpose: some for making strong fibrous roots, which take hold upon the soil and keep the turf in place, others of a creeping nature quickly fill up any bare spots which may be caused by the taller sorts dying down; varieties which are useful for their color value, and also kinds that are able to withstand the beating down of excessive rains.

Whether you want to seed a small grass plot in your yard, or a lawn of more pretentious size, you should use this grass mixture. For the convenience of customers, we put this seed up in various sized packages, from the single pound, which is sufficient to cover 100 square feet of ground, to such quantities as are required for seeding large lawns where six bushels of seed to the acre are required. Per lb., 45c; 100 lbs., \$40.00.

Ebeling's Shady Place Grass

It is quite difficult to obtain a satisfactory growth of grass under trees and in shady places. For sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade, and as it blends well with our regular Lawn Grass Mixture, it may be used on those portions of the lawn which are shaded by trees, buildings, etc. Lb., 50c; 10 lbs., \$4.50.

HOW TO MAKE A LAWN

Have soil thoroughly spaded up, enriched with sheep fertilizers or ground bone, level and roll it well to make compact. Select a still day for seeding; sow one-half of the seed from north to south and half from east to west, rake it over and roll again. When grass comes up re-seed the bare spots. Mow grass when 2 inches high, and as necessary thereafter. Don't rake up short clippings, as they make a good mulch. Always thoroughly soak a lawn whenever required, but never sprinkle lightly.

Quantities to Use

For 200 sq. ft.	1 lb.
For 1000 sq. ft.	15 lbs.
For 2000 sq. ft.	30 lbs.
For one acre	150 lbs.

For old lawns one-half the above is sufficient.

Golf Links Mixture

Made from our own formula with the object of producing a turf which will stand rough usage. For Tennis Courts, Cricket Tables, Golf Links, Polo Grounds, this seed will give perfect satisfaction. Per lb., 40c; bu. (20 lbs.), \$7.00.

Terrace Grass

Ordinary lawn grass will not hold the soil on terraces and embankments, which require a thick turf, composed of varieties which make strong roots to take hold of the soil and prevent washing by heavy rains. Our Terrace Grass is a carefully selected combination of such grasses as will make a quick growth and form a strong mat and present a good appearance. It is best to enrich the soil to give a vigorous start. Per lb., 50c; bu. (20 lbs.), \$12.00.

Putting Green Mixture

A careful study of the requirements for making the most substantial turf for Putting Greens developed the mixture herewith offered by us for this purpose. The varieties comprising it are all of the finest-bladed, uniform, low growing and most hardy kinds, which maintain their rich, green color throughout the season. We also recommend it for terraces, embankments, and steep slopes. Per lb., 70c; bu. (25 lbs.), \$16.00.

KENTUCKY BLUE GRASS. Per lb., 60c.

RED TOP. Per lb., 45c.

White Dutch Clover Seed

Excellent for use on lawns; forms a close herbage and remains green throughout the season. We furnish the choicest grade of seed. Lb., 60c; 10 lbs., \$5.00.



SELECT FLOWER SEEDS

ABUTILON (Chinese Bellflower or Flowering Maple). Free-flowering, perennial shrub; fine for indoors. For outdoor sow before April. Will bloom first season. **Pkt., 10c.**

ACHILLEA, The Pearl. Pure white; fine for cutting. June to August. 2 ft. **Pkt., 10c.**

ACONITUM (Monkshood or Wolfsbane). Hardy perennial, long spikes of odd shaped blue and white flowers, adapted to shady corners or among shrubbery. 3 to 5 ft. **Pkt., 10c.**

ACROCLINIUM. Pretty, annual everlasting. 15 inches high; lovely white or rosy pink flowers, fine for border. Single or double. **Pkt., 10c.**

ADLUMIA (Mountain Fringe or Allegheny Vine). A hardy, biennial climber; will resow itself year after year. Feathery foliage resembling Maidenhair Fern, flowers tube-shaped, flesh-colored, completely covering the plant. Fine for trellises, stumps, etc. **Pkt., 10c.**

ADONIS (Pheasant's Eye; Flos Adonis). Showy, hardy annual, of easy culture, fine cut foliage, blooms a long time; dark crimson flower with light center. Height 1 ft. **Pkt., 10c.**

AGERATUM (Floss Flower). Fine bedding sort, literally a sheet of bloom from early summer until frost; not liable to be spoiled by rain, flowers not liable to fade; easily raised from seed. Sow in March or in hotbed and transfer into open ground in June when weather is suitable; valuable for winter flowering for conservatory. **Pkt., 10c.**

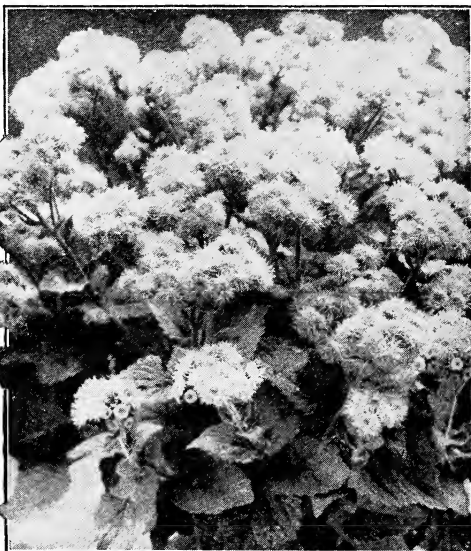
Blue Perfection. Dark blue, largest flowering, fine bedder. **Pkt., 10c.**

Little Dorrit. Beautiful, compact; sky blue, white center; very exquisite. **Pkt., 10c.**

Mexicanum. Lavender-blue. 1½ ft. **Pkt., 10c.**

Imperial Dwarf White. Height 8 inches. **Pkt., 10c.**

AGROSTEMMA (Rose of Heaven). Free-blooming, hardy perennial, blooming first season. Height 1 to 2 ft. Mixed. **Pkt., 10c.**



Ageratum.

ALYSSUM (Madwort). Pretty little plants for beds, vases, baskets, edging, etc. Bloom profusely all summer, also useful for winter. Very sweet-scented.

Lilac Queen, Mixed. Dwarf varieties. **Pkt., 10c.**

Little Gem (or Carpet of Snow). 4 to 6 inches in height, each plant covering a circle of 15 to 30 inches. **Pkt., 10c.**

Sweet Alyssum. Trailing flowers, white. **Pkt., 10c.**

Saxatile Compactum (Basket of Gold). Handsome yellow flowers, hardy perennial, blooming first season, fine for rock work. 1 ft. **Pkt., 10c.**

AMARANTHUS. Brilliant foliaged annuals. 3 to 5 ft. Useful in borders or centers of large beds. Do not plant too closely.

Brilliant. Foliage bright red, ends of branches carmine-rose, red and yellow. **Pkt., 10c.**

Caudatus (Love-Lies-Bleeding). Blood red, drooping foliage. 3 ft. **Pkt., 10c.**

Sunrise. Bronzy crimson to brilliant-scarlet. Fine for parks and large beds. 3 ft. **Pkt., 10c.**

Tricolor (Joseph's Coat). Leaves red, yellow and green. 3 ft. **Pkt., 10c.**



Sweet Alyssum in Rockery.

AMMOBIUM, Grandiflorum (Winged Everlasting). Pretty border, annual everlasting, snow white with yellow disc. Pkt., 10c.

AMPELOPSIS (Boston or Japanese Ivy). Hardy, perennial climber, olive green leaves turning to scarlet in fall. Popular climber, fine for brick or stone walls. Pkt., 10c.

ANCHUSA (Alkanet). Italica Dropmore variety. One of the best hardy perennials, and becoming more popular each season. Grows 3 to 5 feet high and bears in abundance flowers of the richest gentian blue during May and June. Pkt., 15c.

ANEMONE (Windflower). Hardy perennial, large flowers, fine for bouquets.

Coronaria (Poppy Anemone). Mixed colors. Pkt., 10c.

St. Brigid. A beautiful selection of the above, our seed comes from a famous Irish grower and comprises semi-double and double flowers in a wonderful array of colors. Pkt., 15c.

ANTHEMIS, Kelwayi (Hardy Marguerite). A most satisfactory hardy perennial, bearing all summer daisy-like golden yellow blossoms. Excellent for cutting. 2 ft. Pkt., 15c.

ANTIRRHINUM (Snapdragon).

Giant Varieties. Of tall growth, very large individual flowers: Scarlet, White, Yellow, Garnet, Pink (silver pink), Rose (rich rose). Pkt., 10c.

Semi-Dwarf. A splendid mixture, containing all the colors. Pkt., 10c.

AQUILEGIA (Columbine). Charming hardy perennial. 1 to 3 ft. Profuse bloomer, blue, white, rose, yellow, purple, striped, etc. Fine for borders. Single mixed, pkt., 10c. Double mixed, pkt., 10c.

Long-Spurred Hybrids. A beautiful strain comprising shades and combinations of blue, white, yellow, orange, scarlet and bright rose-pink, in large flowers with long spurs. Pkt., 15c.

ARABIS, Alpina (Rock Cress). Very early, pure white, spring flowers, appear as soon as snow disappears. Fine for rockeries or edging. 6 inches high. Pkt., 10c.

ARCTOTIS, Grandis (African Daisy). A remarkably handsome annual from Southwest Africa. It forms much-branched bushes 2 to 3 ft. high. Its flowers are large and showy, being pure white on the upper surface, the reverse of petals lilac-blue. Pkt., 10c.

ARMERIA (Sea Pink or Cushion Pink). Very pretty edging plant, bearing large tufts with rosy pink flowers; hardy perennial. Pkt., 10c.

ASPARAGUS, Plumosus Nanus. Graceful climber, finer than most delicate ferns. Will last for weeks after being cut, easily cultivated. Pkt., 25c.

Sprengeri. One of the best for hanging baskets or general purposes. Fronds 4 ft. long. Pkt., 10c.

ASPERULA, Odorata (Sweet Woodruff). Fragrant leaves and stems; grown in shaded places; white flowers. Pkt., 10c.



Snapdragon.

ASTERS are now one of the most important summer and autumn flowers. Their immense popularity and world-wide demand shows their adaptability to any soil or climate, there being early, medium and late flowering sorts which extends the blooming period from early July until frost. For the best results the ground should be very rich. Good results can be obtained from ordinary garden soil.

BRANCHING VARIETIES:

ROYAL ASTERS (or Early Branching). These are dwarf branching, about 2 ft. high, flowers of the branching type; coming into bloom in July or early August.

PEERLESS YELLOW. Best yellow. Pkt., 10c.

SUNSHINE (Improved Anemone-Flowered). Long quilled petals. Some of the flowers have twisted petals and some have quilled petals; all have a cushion center of tiny quills of a contrasting color which makes a flower look as if it were covered with snowflakes. The blue flowers are dotted with a paler blue and some in white, and the rose in a lighter shade of pink or white. A wonderful cut flower variety of startling appearance. The flowers last a long time after cutting.

Sunshine Mixed. All colors. Pkt., 25c.

AMERICAN OR LATE BRANCHING— ¼ oz. Pkt.

Blackish Blue. A deep dark blue.....	\$0.35	\$0.10
Deep Crimson. Rich and glowing.....	.35	.10
Peach Blossom.....	.35	.10
Pale Lavender. Exquisite grayish blue.....	.35	.10
Deep Purple. A rich royal shade.....	.35	.10
Rose-Pink. A lovely shade; very popular.....	.35	.10
Shell Pink. Soft and dainty.....	.35	.10
Pure White. Perfect in its purity.....	.35	.10
Finest Mixed. All colors mixed.....	.25	.10
Collection. A packet each of the 8 colors. 60c.		



Sunshine Aster.

ASTERS—Continued.



Balsam.

CREGO'S GIANT COMET ASTERS. We consider this the finest and largest of all Comet Asters, bearing immense fluffy flowers five inches and over in diameter, as fine as any Chrysanthemum, and when cut keep in good condition longer than any other of this type. We offer seven colors, viz.: White, Shell Pink, Purple, Deep Rose, Crimson, Lavender, Pink, pkt., 10c. Collection of a packet each of the seven colors, 50c. Crego's Mixed, pkt., 10c; $\frac{1}{4}$ oz., 25c.

QUEEN OF THE MARKET ASTERS. A first-class early-flowering Aster, coming into flower in July, of branching habit. Flowers of good size and borne on long stems, making them exceedingly valuable for cutting. 1 ft. Bright Rose, Crimson, Lavender, Pink, Purple, White, pkt., 10c. Collection, 1 pkt. each of the six colors, 50c. Mixed colors, pkt., 10c; $\frac{1}{4}$ oz., 25c.

BEAUTY ASTERS. A recently developed late flowering strain coming into bloom in late September, and being at their best through October. The plants grow nearly 3 feet high, and bear their very large, densely double flowers on long strong stems. We offer six beautiful colors: Azure Fairy, Dark Lavender, pkt., 15c. September Beauty, shell pink, pkt., 15c. White, pkt., 15c. Mixed colors, pkt., 15c.

OSTRICH FEATHER. Magnificent, resembling the Comet. Flowers of immense size of loosely formed petals, equaling the best Japanese Chrysanthemums. White or pink. Mixed, pkt., 10c.

HEART OF FRANCE ASTER. This recent introduction is the largest flowering of the very dark red sorts; plants grow about 24 inches high, nicely branched, bearing in September their large, rich, deep ruby red flowers on long, strong stems. A fine, dark variety. Pkt., 15c.

KING ASTERS. The "King" Aster forms a distinct class or type. They are of strong, sturdy habit, growing fully 18 inches high, and bear from August to October very large double blossoms, the petals of which are more or less quilled, forming a very attractive flower. Mixed colors, pkt., 10c.

BALSAMS (Lady Slipper). Double, camellia-flowered type, an old favorite. Gorgeous brilliant colored, double flowers in great profusion, easily cultivated. 2 ft. high. Double mixed, pkt., 10c. White, pkt., 10c. Pink, pkt., 10c.

BAPTISIA (False Indigo). Beautiful, hardy, perennial, pea-shaped flowers on spikes 6 inches long, bright blue. 2½ ft. Pkt., 10c.

BELLIS (or English Daisy). Perennial. Double Daisy, very handsome spring flowering plant. Pkt., 10c.

BLUE LACE FLOWER. (See Didiscus).

BRACHYCOME (or Swan River Daisy). Dwarf, annual, profuse bloomer, pretty blue or white flowers. Pkt., 10c.

CALCEOLARIA (Lady's Slipper). Ornamental plant with mass of beautiful pocket-like flowers. Blooms early and very fine for decorating greenhouse or conservatory. Pkt., 25c.

CALENDULA (Pot Marigold). Very showy, free-flowering until frost; hardy annual. Grows in any good soil, fine for beds or mixed borders. Fine for pot culture. Height 1 ft.

Meteor. Large double yellow, striped with orange. Pkt., 10c.

Orange King. Large double orange red flowers. Pkt., 10c.

Lemon Queen. Light yellow. Pkt., 10c.

Mixed. Per pkt., 10c.

CALLIOPSIS. Annual. Showy, free-flowering, blooms all summer, fine for cutting, massing, beds and borders. All single sorts have large flowers 2 to 4 inches in diameter. 1 ft. high. Single or double, mixed colors. Pkt., 10c.

GOLDEN WAVE (Drummond). Large golden yellow with brown center. Pkt., 10c.

COREOPSIS. Perennial. A very fine hardy plant with large, showy bright yellow flowers, produced in great abundance from June until frost, especially fine for cut flowers having long stems, and lasting in good condition a week or more. These grow from seed, flowering the first year if sown early. See also Calliopsis. Pkt., 10c.

COREOPSIS LANCEOLATA GRANDIFLORA. Perennial. Deep golden yellow, cup-shaped flowers on fine stems for cutting. Flower is lanceol. Sow in June and transplant 1½ to 2 ft. apart. Give slight winter covering. See also Calliopsis. Pkt., 10c.

PERENNIAL MICHAELMAS DAISY. Single, hardy. Does well in any garden soil. If sown early will flower in early season. Pkt., 10c.

BABY'S BREATH. (See Gypsophila).

BACHELOR'S BUTTON. (See Centaurea Cyanus). Mixed colors, 10c. Double blue, Pkt., 10c.

BALLOON VINE (Love-in-a-Puff). Rapid growing annual climber, white flowers, seed vessels look like miniature balloons. Pkt., 10c.



Calendula.

CAMPANULA (Bellflower). Favorite, hardy herbaceous plant with great profusion of bell flowers. Thrives in light rich soil.

Carpatica. Blue and white, bloom the whole season. 6 inches. Pkt., 10c.

Persicifolia Grandiflora. Fine hardy bellflowers. 2 to 3 ft. Blue or white. Mixed. Pkt., 10c.

CANARY-BIRD VINE (*Tropaeolum Canariense*). Handsome annual, rapid climber, charming little canary-colored blossoms bearing a fancied resemblance to a bird with wings half expanded. Pkt., 10c.

CANDYTUFT (*Iberis*). A great favorite, fine for cutting, looks best in beds or masses. Sow in spring; will bloom until frost. Very hardy, easily cultivated. Single plants look well and bloom profusely. 1 ft.

Carmine. Pkt., 10c.

White. Pkt., 10c.

Crimson. Pkt., 10c.

Empress. A complete mass of pure white flowers. Pkt., 10c.

White Rocket. Pkt., 10c.

White Hyacinth-Flowered. Pkt., 10c.

Mixed Colors. Pkt., 10c.

White. Perennial. Pkt., 10c.

Lilac. Perennial. Pkt., 10c.

CANNA (*Indian Shot*). Without exception one of the handsomest bedding plants. Soak the seeds in warm water until they show evidence of swelling. When the second leaf is out pot singly and keep under glass until proper season for planting out. Plants only. Prices on page 17.

CANTERBURY BELL (*Campanula Medium*; *Single Canterbury Bells*). The old-fashioned sort with beautiful, large bell-shaped blossoms; we offer three distinct colors and mixed, as follows: Blue, Rose, White, pkt., 10c. Single Mixed, pkt., 10c. All the double flowering medium varieties, ¼ oz., 50c; pkt., 10c.

Cup and Saucer (*Campanula Calycanthema*). Rose-Pink, delicate rosy pink; Blue, a fine clear shade; White, pure white; Finest Mixed, all colors of the Cup and Saucer type, ¼ oz., 60c; pkt., 10c.

CARNATION. See *Dianthus*. Great favorite for their delicious fragrance and richness of color, indispensable for winter or summer culture.

Marguerite Carnations. Very popular, as they begin flowering a few weeks from time of sowing, half dwarf, strong, requiring no support, produce long, strong stems, abundant, large double beautifully fringed, highly scented flowers. Pink, White, Red, Yellow, pkt., 10c. Mixed colors, pkt., 10c.

Chabaud's. Everblooming, mixed. Pkt., 10c.



Bachelor's Buttons.

CASTOR OIL BEAN. See *Ricinus*.

CELOSIA CRISTATA or Cockscomb Varieties. Free-blooming annuals. Plant in light soil not too rich; grand for border and fine for pots. (2½ to 3 feet). These stately plants are considered among the most ornamental and should not be omitted in any garden. Form pyramidal bushes branching out in candelabra shape, the numerous massive plumes resemble ostrich feathers, waving gracefully above the foliage.

Empress. Combs of colossal size known to measure 45 inches from tip to tip; rich crimson. Pkt., 10c.

Glasgow Prize. Dark crimson. Pkt., 10c.

Dwarf. 8 inches high, sometimes measuring 2 ft. across, pkt., 10c. Mixed, pkt., 10c.

CELOSIA PLUMOSA (Feathered Cockscomb). Crimson, White, Yellow, Mixed, pkt., 10c.

CELOSIA CHILDSI (The Chinese Woolflower). Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. Blooms until hit by frost. A deep, rich, dark crimson-scarlet. Pkt., 10c.

Mixed. Pkt., 10c.

CENTAUREA or Bachelor Button. Under this name is included the popular annuals like Corn Flower, Blue Bottle, Ragged Sailor, Sweet Sultans, etc. Great favorites, fine for cut flowers; white-leaved sorts, or Dusty Millers are largely used for bedding, vases, etc.

Sweet Sultans (*Centaurea Imperialis*). Beautiful, sweet-scented; strong stems; when cut will stand for several days in good condition, of easy culture. Mixed Colors, Pkt., 10c. Named Colors, Pkt., 10c.

Giant Sweet Sultans or Giant Cornflowers (*Centaurea Odorata*). Easy to cultivate. Flowers 2 to 4 inches in diameter, very graceful, sweet-scented.

Cornflower (*Centaurea Cyanus*). Double Blue, Pink, White, Mixed. Pkt., 10c.

Gymnocarpa. Fine cut silvery foliage. Pkt., 10c.

Candidissima. Broad cut silvery foliage. Pkt., 10c.

Montana Blue. Giant perennial. Pkt., 10c.

CHEIRANTHUS, Allioni (Siberian Wallflower). A biennial but best treated as an annual. Brilliant orange flowers. Pkt., 10c.



Carnations.

CHRYSANTHEMUMS. Annual sorts, showy, effective garden favorites. Double mixed, **pkt., 10c.** Single mixed, **pkt., 10c.**

CINERARIA. Seed may be sown from May to September in succession. Where only one sowing is made July should be preferred. Cinerarias grow so freely that the seedling may go straight from seed pans to thumb pots. For transplanting, plant in cold frame facing North, if possible. When pots become full of roots shift into larger ones until the flowering size is reached.

Dwarf Mixed. Pkt., 35c.

Tall Mixed. Pkt., 35c.

Stellata (Star Cineraria). A charming variety with large spreading panicles of starry flowers. Same colors as the common Cineraria. The grace and elegance of the plant and flowers make them very effective for house or conservatory decoration; especially fine for church decoration and useful for cutting. **Pkt., 35c.**

CLARKIA. This pretty and easily grown annual has been much improved in recent years, and the varieties offered below are now seen as cut flowers in most of the large cities of Europe. They do well either in sun or shade, growing 2 to 2½ feet high, with leafy racemes of double flowers, which all open in water when cut. **Elegans Double Mixed. A fine mixture containing all the colors. Pkt., 10c.**

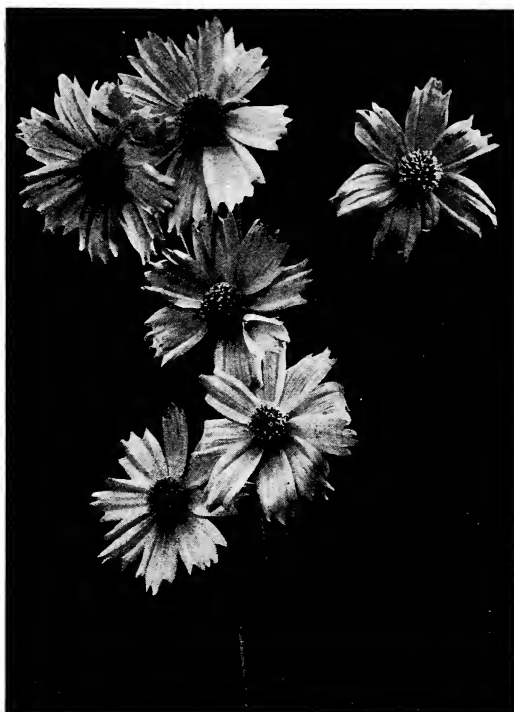
CLEMATIS. Rapid-growing climber, fine for arbors and verandas. Seeds are slow to germinate and should be soaked in warm water 24 hours. Hardy perennial, mixed colors. **Pkt., 10c.**

CLIANTHUS (Australian Glory Pea). Beautiful, tender, perennial shrub with clusters of brilliant pea-shaped flowers, 3 inches in length, with large black blotch for center. **Pkt., 10c.**

COBAEA (Cup and Saucer Vine). A rapid climber; fine for trellises, arbors, etc., clings to any rough surface. Place seeds in the ground edgewise and cover with light soil. **Purple, pkt., 10c.** **Pure White, pkt., 10c.**

COLEUS (Flame Nettle). An attractive foliage plant for house or garden. Very interesting to grow from seed, easily raised. Sow in March or April. **Pkt., 15c.**

CONVOLVULUS (Morning Glory). Climbing varieties, very popular, and one of the most free-flowering, rapid growing plants in cultivation, doing well in almost any situation with beautiful brilliant flowers. **Annuals. 15 ft. Mixed colors, pkt., 10c; oz., 15c.**



Coreopsis.

COREOPSIS. Perennial. A very fine hardy plant with large, showy, bright, yellow flowers, produced in great abundance from June until frost. Especially fine for cut flowers, having long stems and lasting in good condition a week or more. These grow from seed, flowering the first year if sown early. **Pkt., 10c.**

COREOPSIS LANCEOLATA GRANDIFLORA. Perennial. Deep golden yellow, cup-shaped flowers on fine stems for cutting. Flower is lanced. Sow in June and transplant 1½ to 2 ft. apart. Give slight winter covering. **Pkt., 15c.**

COSMOS. Beautiful autumn-blooming plant, producing thousands of beautiful flowers in pure white, pink and crimson shades. Fine for autumn decoration when other flowers are scarce. Sow in spring in open ground when danger of frost is over, or may be started under cover and transplanted. Set about 18 inches apart in rows or in masses in beds. When about a foot high pinch the tops out to induce a bushy growth, 2½ to 4 ft. in height.

Early Crimson. Rich and deep. **Pkt., 10c.**

Early Light Pink. A popular color. **Pkt., 10c.**

Early Pure White. **Pkt., 10c.**

Extra Early Mammoth Flowering. Mixed colors. **Pkt., 10c.**

Extra Early Double Crested Cosmos. Mixed colors. **Pkt., 10c.**

CUCURBITA. See Gourd.

CYCLAMEN. Charming plant with richly colored foliage, fragrant flowers. Great favorites in winter or spring. Sow in spring or autumn.

Persicum. Choicest mixed. **Pkt., 35c.**

CYNOGLOSSUM, Amabile (Chinese Forget-Me-Not). Sweet-scented, ultramarine-blue. 2 ft. **Pkt., 10c.**

CYPRESS VINE (Ipomoea Quamoclit). A favorite summer climbing annual, with feathery foliage and star-shaped flowers borne in clusters.

White. Pkt., 10c.

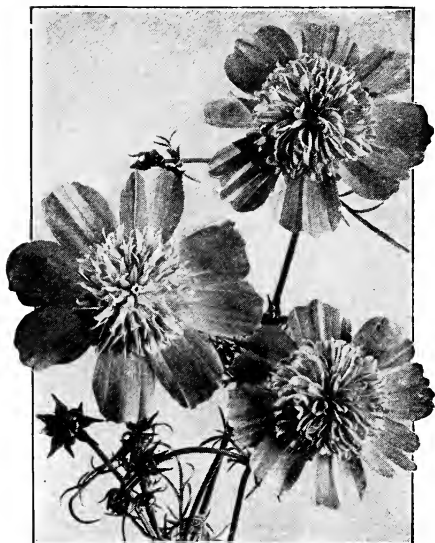
Scarlet. Pkt., 10c.

Mixed Colors. Pkt., 10c.

DAHLIA. One of the best late summer and autumn flowering sorts, very popular. The double sorts will bloom first season if sown early. Single will bloom first season if sown in the open ground. Many prefer the single sorts to Cosmos, having the larger variety of colors and longer season of bloom.

Double. Finest mixed. Pkt., 10c.

Single. Finest mixed. Pkt., 10c.



Double Crested Cosmos.

DATURA (Trumpet Flower). Ornamental annuals, large showy flowers. 2 to 3 ft. Double and single. Pkt., 10c.

DELPHINIUM (Perennial Larkspur). One of the most handsome hardy perennials, splendid flowers and curiously cut leaves; for permanent beds and borders they are indispensable. Mixed. Pkt., 10c.

Gold Medal Hybrids. Mixed. Pkt., 10c.

Formosum. Popular for groups, tall spikes of dark blue flowers with white eyes. 2 to 3 ft. Pkt., 10c.

Belladonna. Clear Turquoise Blue, pkt., 10c. Choicest hybrids mixed, pkt., 10c.

Nudicaule. Large scarlet flower. 1½ ft. Pkt., 10c.

Chinese. This is a perennial but if planted early will bloom in August. Its foliage is small and is from 12 to 18 inches tall.

Blue Butterfly. Blue. Pkt., 10c.

Alba. Pure white. Pkt., 10c.

DIANTHUS or PINKS. A magnificent sort embracing some of the most popular flowers in cultivation, of great variety and brilliancy with profusion of bloom. The sorts classed as annuals may be sown out-of-doors when danger of frost is past. In a few weeks' time they are a mass of bloom, continuing until frost. 1 ft.

Double Annuals.

Laciniatus fl. pl. Large double showy flower with fringed edges. Great variety of colors. Pkt., 10c.

Chinensis fl. pl. (China or Indian Pink). Mixed colors. Pkt., 10c.

Heddegi fl. pl. (Japan Pink). Double mixed. Pkt., 10c.

Imperial fl. pl. (Double Imperial Pink). Mixed. Pkt., 10c.

Hardy Garden Pinks. The varieties are well adapted for beds and borders. Delightful, refreshing, spicy odor; should be in every garden where cut flowers are wanted.

Semperflorens (Everblooming Hardy Garden Pinks). Very beautiful, sweet-scented, double, semi-double and single in great diversity of colors. Mixed colors, pkt., 10c. See **Carnation**. Carnations are general favorites for their delicious fragrance and richness of colors. They are indispensable for the greenhouse in winter and the garden in summer. The **Marguerite** is one of the best for summer flowering.

DIDISCUS (Blue Lace Flower). Very pretty annual, blooms profusely from July to November. Pale lavender blossoms, excellent for cutting. Pkt., 15c.

DIGITALIS (Foxglove). Handsome, ornamental, hardy perennial plant; easily grown. Fine for shrubberies. 3 ft. Mixed colors. Pkt., 10c.

DIMORPHOTHECA Aurantiaca Hybrida (African Golden Daisy). Beautiful new hybrids of the African Golden Daisy, and similar in habit to the parent. Flowers equally as large, but varying in color from the purest white through the various shades of yellow and orange to rich salmon shades, many being zoned with several of these colors around the black disc. Pkt., 10c; ¼ oz., 50c.

DRACAENA (Dragon Plant). Fine ornamental leaved plant. Mixed colors. Pkt., 10c.

ECHINO CYSTIS (Wild Cucumber Vine). Quickest growing vine known, fine for covering trellises, fences, etc. Pkt., 10c.

ENGLISH DAISY (*Bellis Perennis*). A favorite almost hardy perennial. Blooms from early spring until late in summer. Easily raised from seed. 4 inches high. Double mixed, finest quality, pkt., 10c. White or Pink, pkt., 10c.

ERYNGIUM (Sea Holly). Handsome, ornamental hardy plant. 2 to 3 ft. high. Fine for drying for winter bouquets. Pkt., 15c.

ESCHSCHOLTZIA (California Poppy). Fine annual for beds, border or masses. Bloom until frost. 1 ft. Single mixed, pkt., 10c. Double mixed, pkt., 10c.

Golden West. Bright buttery yellow with orange center. Pkt., 10c.

EUPHORBIA (Snow-on-the-Mountain). Strong, tall-growing annual, attractive foliage. Pkt., 10c.

FORGET-ME-NOT. See *Myosotis*. Pkt., 10c.

FOUR O'CLOCK (Marvel of Peru). (*Mirabilis Jalapa*). A well known handsome free-flowering garden favorite. Does well everywhere. Give each plant 12 to 18 inches of room. Fine mixed colors. 2 ft. Pkt., 10c.

FOXGLOVE. See *Digitalis*.

GAILLARDIA (Blanket Flower). Annual varieties. Splendid showy annuals, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom from early summer until November. Excellent for beds, borders, or for cutting. Should be sown where they are to bloom. 1½ ft.

Picta Mixed. Single sorts; fine colors. Pkt., 10c.

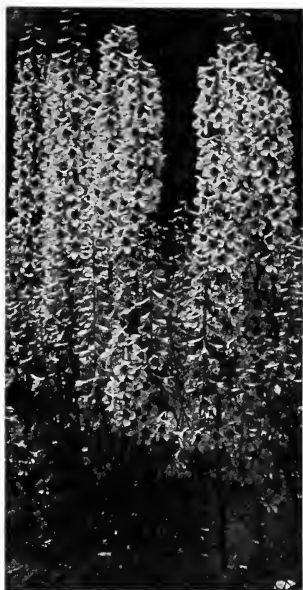
Double Flowering Mixed. A charming, profuse, double-flowering strain; beautiful mixed colors. Pkt., 10c.

Hardy Perennial Varieties. Pkt., 10c.

Grandiflora Superba. Pkt., 10c.



Dimorphotheca—African Golden Daisies.



Perennial Delphinium.

DOLICHOS (Hyacinth Bean). Rapid annual climber with large clusters of handsome flowers producing later in place of flowers, pods of a deep purple, very ornamental. Purple, pkt., 10c. Mixed colors, pkt., 10c.



Dianthus—Pinks.

GERANIUM (Pelargonium). Double mixed fine color. Pkt., 15c.
GEUM Coccineum, Mrs. Bradshaw. An attractive perennial, growing 2 ft. tall and bearing double orange-scarlet flowers. Pkt., 10c.
GILIA. Hardy annual. An excellent cut flower of graceful appearance. The small round flower heads are produced abundantly on plants twenty inches high. Very free-flowering. Pkt., 10c.
GLOBE AMARANTH (Gomphrena). Known as Bachelor's Buttons; fine bedding plant, flowers can be dried and be used in winter bouquets. 2 ft. Mixed colors. Pkt., 10c.
GLOXINIA. A superb greenhouse sort with magnificent richly colored flowers. Do best in equal mixture of peat, loam and sand. Mixed colors. Pkt., 25c.
GODETIA. An attractive, hardy annual. Profuse, showy flowers of varied colors. 1½ ft. Mixed colors. Pkt., 10c.
GOURDS, ORNAMENTAL (Cucurbita). Rapid growing, annual climbers, ornamental foliage. 15 to 20 ft. Mixed colors. Pkt., 10c.
GRASSES, ORNAMENTAL. These serve the double purpose of rendering mixed flower beds on borders. Attractive in summer and for use in a dried state in winter bouquets, for large beds or groups on lawns, nothing gives a finer effect. Largely used in public parks.
Briza Maxima. Fine for grass bouquets. Pkt., 10c.
Erianthus Ravennae (Hardy Pampas). Beautiful perennial. Pkt., 10c.
Gynerium Argenteum (Pampas Grass). Perennial. Blooms the second season. Pkt., 10c.
Stipa Pennata (Feather Grass). Perennial. Beautiful white, delicate. Begins to bloom the second season. 2 ft. Pkt., 10c.

GYPSOPHILA (Baby's Breath). Pretty free-flowering elegant plants, succeeding in any garden soil. Their misty white panicles of bloom are largely used for mixing with other cut flowers.

Elegans Alba Grandiflora. Pkt., 10c.

Paniculata. White flower, fine for bouquets. One of the favorite hardy perennials. Blooms first year if sown early. 2 ft. Pkt., 10c.

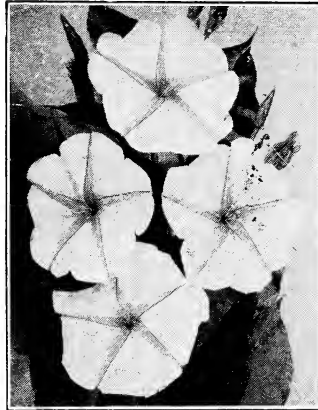
Double. Pkt., 10c.

Light Pink. Pkt., 10c.

HELIANTHUS. See Sunflower. Single and double mixed. Pkt., 10c.

HELICHRYSUM (Strawflower).

Monstrosum fl. pl. The great demand for this popular Everlasting has induced us to show them in colors this season. Crimson, very rich; Fireball, bright red; Goldenball, golden yellow; Rose Carmine, rich and glossy; Silver Ball, glistening white; Violet, very rich color; Mixed, all colors. Pkt., 10c.



Moonflowers.



Double Hollyhocks.

HELIOTROPE (Cherry Pie). Half-hardy perennial, flowering the whole season, very fragrant. Can also be trained as a greenhouse climber. Mixed colors. Pkt., 10c.

HEUCHERA (Coralbells).

Dwarf Crimson. Blooming from late May until late autumn. 12 inches tall. Pkt., 10c.

HIBISCUS (Marshmallow). Showy, perennial plant with large beautifully colored

flowers. 1½ ft. Mixed colors. Pkt., 10c.

HOLLYHOCK. One of the most majestic of hardy plants, and a clump or line in any garden gives an effect not attainable with any other plant. For planting among shrubbery or forming a background for other flowers, it is without equal. Seed sown any time before midsummer will produce fine plants for flowering next year. Double mixed. Pkt., 10c.

Double Varieties. The seed offered under this head has been saved from the finest double flowers only and is sure to produce satisfactory results. Maroon, Rose, Red, Salmon-Rose, White, Yellow. Pkt., 10c.

Single Varieties. Mixed. Pkt., 10c.

HONESTY (Moonwort; Satin Flower). Hardy biennial, with silvery seed pouches, very attractive. 2 ft. Pkt., 10c.

HUMULUS (Japanese Hop). Ornamental, fast-growing climber resembling the common hop. Pkt., 10c.

HUNNEMANNIA, Fumariaefolia (Giant Yellow Tulip Poppy or Bush Eschscholtzia). This is by far the best of the poppy family for cutting, remaining in good condition for several days. Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup-yellow poppy-like blossoms, and never out of flower until hard frost. The plants grow about 2 feet high, are quite bushy, with beautiful feathery glaucous foliage. Pkt., 10c.

IPOMOEA. Climbers of very rapid growth, beautiful, varied flowers; for covering walls, arbors, stumps, etc.

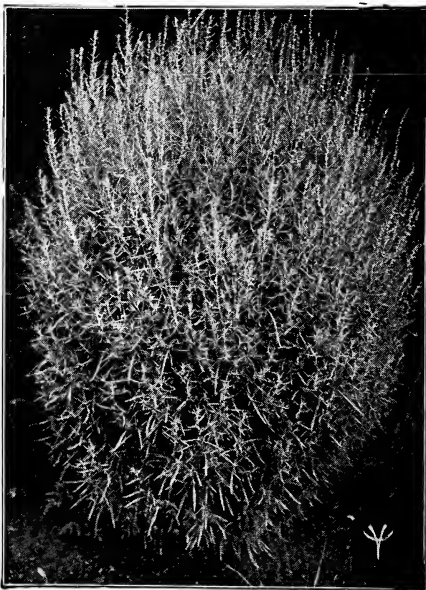
Quamoclit Hybrida (Cardinal Climber). Pkt., 10c.

Bona Nox (Evening Glory). Violet, large fragrant flowers, expanding in the evening. Pkt., 10c.

Rubra Coerulea (Heavenly Blue). Bright sky blue. Pkt., 10c.

Noctiflora (Moonflower). Blooms at night and on dull days, pure white flowers, 5 to 6 inches in diameter, rapid climber. Pkt., 10c.

IMPERIALIS JAPANESE (Japanese Morning Glory). Largest and handsomest of all Morning Glories. Pkt., 10c.



Kochia.



Annual Larkspur.

KENILWORTH IVY. See *Linaria*.

KOCHIA, *Trichophylla* (Summer Cypress; Belvedere; Burning Bush). An easily grown annual, which, sown thinly in spring, soon forms a cypress-like hedge of the most lively green and of perfect symmetry; by mid-summer it attains a height of about 3 feet, and late in the autumn the whole plant becomes a deep red, a splendid plant to divide the vegetable garden from the flower garden, or for forming a hedge for the summer for any purpose. Pkt., 10c.

KUDZU VINE. Pkt., 10c.

LADY SLIPPER. See *Calceolaria*.

LANTANA. One of the most desirable half-hardy perennials, constantly in bloom, verbenalike heads of orange, white, rose and other colors. 2 to 3 ft. Mixed colors. Pkt., 10c.

LARKSPUR. Annual. These handsome Larkspurs are very effective in borders and planted among shrubs. The graceful spikes of bloom are much valued for vases. They continue long in bloom. The Emperor, Hyacinth-flowered and Branching varieties bloom a little later than the Stock-flowered. Sow seed in the open borders either in early spring or late fall so germination may take place very early in the spring.

Stock-Flowered. Mixed, all colors. Pkt., 10c.

Giant Hyacinth-Flowered. Mixed. 3 ft. Derives its name from the striking resemblance of the flowers to a double Hyacinth. Delicate colors. Pkt., 10c.

Exquisite. Beautiful soft pink; highly prized for cut flower use. Pkt., 15c.

LATHYRUS (Everlasting or Hardy Sweet Pea). Free-flowering hardy perennial climber continually in bloom. Mixed colors, pkt., 15c. White, pkt., 10c. Pink, pkt., 10c.

LAVENDER (*Lavandula Vera*). Well-known, sweet-scented, hardy perennial. 3 ft. Pkt., 10c.

LINARIA (Kenilworth Ivy). Charming small, hardy perennial, trailing plant. Pkt., 10c.

LINUM or FLAX (Scarlet Flax). Brilliant crimson flowers, an inch or more across, and a continuous bloomer. Annual, grows 1½ to 2 ft. high, pkt., 10c. Perennial Varieties Mixed, pkt., 10c.

LUPINUS (Lupine). Annual sorts. Free-flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers. Valuable for mixed borders, beds and for cutting. Prefers a little shade. 2 ft. Annual Mixed. All colors. Pkt., 10c.

Polyphyllus Sorts. Effective hardy perennials, succeeding in any good garden soil. Blooms in May and June. 3 ft. Mixed. All colors. Pkt., 10c.

LOBELIA. The following choice varieties of this popular and beautiful flowering plant will be found most desirable for pot culture, edgings, hanging-baskets, etc., blooming profusely from June to November. *Cardinalis* is one of the finest native hardy perennials.

Crystal Palace Compacta. Rich deep blue; dark foliage; the finest dark blue for bedding. Pkt., 10c.

Gracilis. Light blue; light green foliage; trailing. Pkt., 10c.

Cardinalis (Cardinal Flower). A native variety, with spikes of brilliant scarlet flowers; fine hardy border plant. 3 ft. Pkt., 15c.

LYCHNIS. Handsome hardy perennial, easy culture, fine for beds and borders. Mixed colors. Pkt., 10c.

MARIGOLDS (*Tagetes*). The African and French Marigolds are valuable for their flowers in late summer and autumn and can be grown to advantage in little clumps, with other plants, in the front of the shrubbery or in the garden border. The African varieties are the taller in growth, and produce large self-colored blossoms. The French varieties are smaller, some of them being elegantly striped and spotted. The dwarf-growing kinds make extremely handsome borders, being neat, compact plants, and remaining in full bloom until killed by frost. Seeds can be sown in the open border, or earlier, in a cold frame, and the young plants transplanted late in the spring to where they are to remain. They succeed best in a light soil, with full exposure to the sun. Annual.

AFRICAN MARIGOLDS.

Pride of the Garden. The immense flowers of this grand variety are densely double, and of a beautiful golden yellow color. A notable feature is the compact, dwarf habit of the plant, which forms dense bushes fifteen to eighteen inches high and two feet across. Pkt., 10c.

Orange Ball. Flowers very large, ten to fourteen inches in circumference, extremely double and quilled like a Dahlia. Plants 3 feet high. Pkt., 10c.

Lemon Ball. Large lemon-colored flowers, fine for cutting. Pkt., 10c. Mixed Varieties. Pkt., 10c.

FRENCH MARIGOLDS.

Gold Margin. Double. Flowers velvety maroon, margined with gold. Plant only eight inches high, bushy, compact, and free-flowering. Pkt., 10c.

Dwarf Gold Striped. Double rich brown, striped golden yellow. Pkt., 10c.

Dwarf Marigold, Little Brownie or Legion of Honor. A charming single-flowered plant, about six inches high. Very effective in masses or borders. Begins flowering extremely early, commencing in June. Color a brilliant gold, blotched with maroon. Pkt., 10c.



African Marigolds.

MARIGOLD, Signata Pumila (Sunshine Marigold). One of the most beautiful plants for fall color; about eighteen inches high, very bushy habit, and each slender branch, pressed close to the main stem, crowned by a delicate golden center, forming a dense globular mass. Charming in a border or alone. Pkt., 10c.

MARVEL OF PERU or FOUR O'CLOCK. The flowers of this old-time favorite open about four o'clock in the afternoon and fade the next morning. Two feet high, with bright foliage and fragrant flowers of desirable colors. Set plants two feet apart. Makes a nice hedge if set a foot apart. Seed should be planted in the open ground where plants are desired. The roots may be taken up in the autumn and preserved through the winter for spring planting, in the same manner as Dahlias. Marvel of Peru. Mixed colors. Pkt., 10c.

MATRICARIA (Feverfew). Free-flowering, blooms until frost, hardy annual. 18 inches. Double white. Pkt., 10c.

MIGNONETTE (Reseda). 6 to 12 inches. No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

Golden Queen. Yellow. Pkt., 10c.

Goliath. Foliage rich green, with bright red flowers. Flower stalks tall and strong, spikes often 7 inches long by 2 inches in diameter. Pkt., 10c.

Machet. It is the best Mignonette for all purposes either outside or inside.

It is an everbloomer, the flowers lasting until late in the fall. Pkt., 10c.

Mixed. Many shades and types. Pkt., 10c.

MIMOSA (Sensitive Plant). A curious, interesting annual with pinkish white flowers, leaves low and droop when touched or shaken. Pkt., 10c.

MIMULUS (Musk Plant). Very showy, profuse-flowering plant, half-hardy perennial, blooms first year if sown early. 1 ft. Pkt., 15c.

Tigrinus (Monkey Flower). Spotted variety. Pkt., 15c.

Moschatus (Musk Plant). Fine for hanging baskets; small yellow flowers, fragrant foliage. Pkt., 15c.

MIRABILIS. See Marvel of Peru. Pkt., 10c.

MOMORDICA (Balsam Pear). Very curious climber, ornamental foliage, fruit golden yellow, opens when ripe, showing the seed and its beautiful carmine interior; fine for rockwork, etc. Annual. 10 ft. Pkt., 10c.

MORNING GLORY. See Convolvulus.

MUSK PLANT. See Mimulus.

MYOSOTIS or FORGET-ME-NOT. Charming, low-growing plants, the bright flowers covering the plants in late spring. Seed sown at any time up to midsummer will produce plants that will bloom the following spring. Prefer moist shady situation. The Alpestris varieties are very free-flowering. They are practically biennial.

Dissitiflora. Of dwarf, compact habit, with sprays of large, exquisite blue flowers, especially adapted for planting among spring-flowering bulbs. Pkt., 10c.

Alpestris, Indigo Blue. New, very fine. A deep indigo blue. Pkt., 10c.

Palustris (True Forget-Me-Not). Blue, with yellow eye. Perennial. Pkt., 15c.

Mixed Varieties. Seeds of the above varieties mixed. Pkt., 10c.

Rose. Pkt., 10c.

NASTURTIUMS (Tropaeolum). For ease of culture, duration of bloom, brilliancy of color and general all around purposes nothing excels this popular variety. Plant in moderately good soil in a well drained, sunny position; quick growing and bloom profusely until hard frost comes.

Dwarf Nasturtiums. Any of the following named varieties: Yellow and Maroon Blotched, Crimson, Rose, Creamy White, Maroon, Mixed Colors. Pkt., 15c; oz., 15c; ¼ lb., 40c; ½ lb., 75c; lb., \$1.25.

Tall Nasturtiums. Any of the following named varieties: Maroon, Salmony Rose, Scarlet, Orange, Creamy White, Mixed Colors. Pkt., 10c; oz., 10c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00.

NEMESIA, Large-Flowering Hybrids. A very pretty annual, which does best in a cool position; the plants grow about a foot high, and the orchid-like flowers are very varied in color, including rose, yellow, blue, orange, etc. Pkt., 10c.

NICOTIANA, Affinis. One of the best Nicotianas we have ever grown. The plant attains the height of three feet and is covered with deliciously scented, large, white flowers that open in their full glory in the evening and early morning. Easily grown from seed, and cuttings rooted in September will bloom freely in the winter. Pkt., 10c; ¼ oz., 35c.

Sanderæ. The whole plant, from base to summit, is laden with flowers of an intensely glowing rosy carmine color, making it incomparably beautiful and charming. Easily grown. Pkt., 10c.

NIGELLA, Damascena. (Love-in-a-Mist, or Devil-in-the-Bush). A compact, free-flowering plant, with finely cut foliage, curious looking flowers and seed-pods; of easy culture, growing in any garden soil. Hardy annuals. Blue and white mixed. 1 ft. Pkt., 10c.

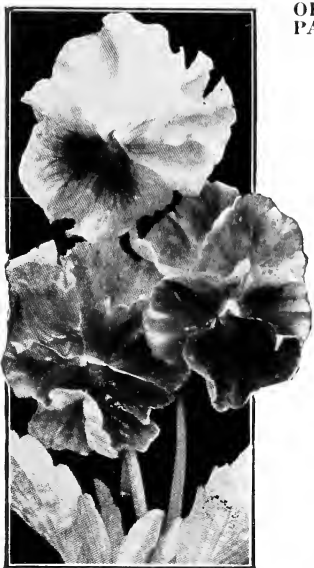
Miss Jekyll. A lovely variety with cornflower-blue blossoms. Splendid for cutting. Pkt., 10c.



Nigella.



Nasturtiums.



Pansies.

PETUNIA (Single-Flowered Bedding). Bedding varieties are unsurpassed for massing. They will make a most showy bed, giving a profusion of flowers from early summer until severe frost.

Blotched and Striped. Very symmetrically marked. Pkt., 10c.

Balcony Petunias. A splendid type for window boxes, hanging baskets and beds. Flowers over three inches across making a fine display all the season. Mixed colors. Pkt., 15c.

Rosy Morn. Dainty soft carmine-pink, white throat; fine for border. Pkt., 10c.

Extra Choice Mixed. Superb strain. Pkt., 10c.

Fringed Giant. Pkt., 20c.

Giants of California. Pkt., 35c.

Double Mixed. Pkt., 30c.

PHLOX DRUMMONDI. Of all summer-flowering annuals this variety is unquestionably one of the most brilliant and satisfactory. Seed may be sown in open ground after danger of frost is past and in a few weeks the beds or borders are all aglow with their brilliant coloring until cut down by the frost. For early flowering they should be started indoors. Snow White, Shell Pink, Deep Rose, Bright Scarlet, Rich Crimson, Primrose, Soft Lilac, Choicest Mixed, Large Flowering. Pkt., 10c.

Star Phlox (Star of Quedlinburg). Dwarf, pretty star-shaped flower. Mixed colors. Pkt., 10c.

Hardy Perennial Phlox. All colors, mixed. Pkt., 10c.

PHYSOSTEGIA, Virginica (False Dragonhead). One of the prettiest hardy perennials, and gaining in popularity as it becomes better known. It forms dense bushes, 3 to 4 ft. high, bearing freely during the summer months spikes of delicate pink tubular flowers not unlike a gigantic heather. Pkt., 10c.

PHYSALIS FRANCHETI (Chinese Lantern). Dense bushes about 2 ft. high, producing freely bright orange-scarlet lantern-like fruits. Perennial. Pkt., 10c.

PINKS. See Dianthus.

ORNAMENTAL GRASSES. See Grasses.

PANSIES (Giant Flowering). The Pansy gives an abundance of bloom until after severe frosts, endures our hard winters with safety, and greets us in the early spring with a profusion of bright blossoms. Pansies are at their best during the cool, moist weather of spring and fall. Seed sown in open ground in May or June will give fine blooms in late summer and autumn, and a good crop of flowers the following season if the plants are pinched back in early spring. Seed sown in midsummer, where it can be shaded and watered will produce plants large enough to winter nicely and come into full bloom in early spring. Young plants give the largest flowers. Old, worn out plants should be replaced by young, vigorous plants.

Triumph of Giants. A wonderful mixture of giant-flowered Pansies. Pkt., 10c.

Extra Large Flowered Exhibition Mixture. This strain will meet the demand for a real giant flowered fancy pansy. Comprises exquisite shades and colors. Pkt., 25c.

New Giant Orchid-Flowered Mixture. Pkt., 10c.

Masterpiece Mixture. A special mixture of the Giant Frilled Pansies. A mixture of the finest of a remarkable type of Giant Flowering Pansies, the petals being beautifully waved or frilled. These extremely beautiful flowers come in a wide variety of colors, ranging from white to the deepest maroon or black, creamy yellow to orange, dainty rose to brilliant crimson. Pkt., 15c.

Mastodon Mixture. The finest thing obtainable in pansies. Wonderful rich colors. Very large. Pkt., 25c.

Violas or Tufted Pansies. While the Pansy proper is a spring flower, Violas flower throughout the entire season. Seeds sown in spring produce flowering plants by June which bloom until frost. Splendid mixed colors, fine varieties. Pkt., 10c.

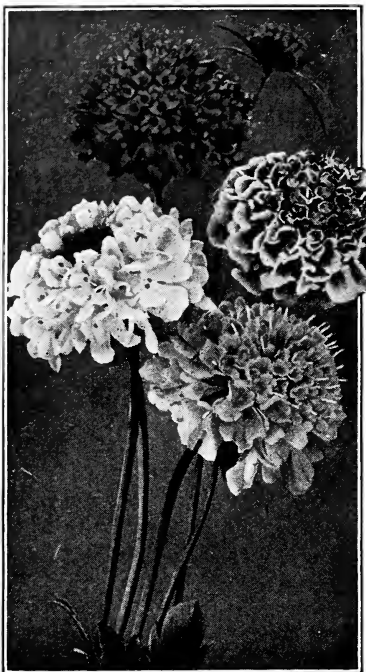
PENTSTEMON (Beard-Tongue). One of the most beautiful attractive herbaceous plants, bearing long graceful spikes of richly colored flowers. If sown early and transplanted in May will bloom from July until frost. Half-hardy perennial. 2 ft. Mixed colors. Pkt., 10c.



Pentstemon.



Phlox Drummondii.



Annual Scabiosa.

RICINUS (Castor Oil Bean). Ornamental plant of stately growth and picturesque flowers, brilliant colored fruit. Fine for lawns or center plants for beds. Mixed, all colors. Pkt., 10c.

Zanzibariensis. A distinct class, which surpasses in size and beauty all varieties. The plants attain great dimensions, presenting a splendid aspect with their gigantic leaves. The different varieties included in our mixture have light and dark green leaves and some of coppery bronze, changing to dark green, with reddish ribs. The seeds are beautifully marked. Pkt., 10c.

SALPIGLOSSIS (Painted Tongue). One of the greatest favorites among annuals, partly on account of its easy culture, but mostly for its beautiful, almost orchid-like flowers. Mixed sorts. Pkt., 10c.

SALVIA (Flowering Sage). A favorite bedding plant, bearing long spikes of flowers in great profusion from July until frost, half-hardy perennial. Blooms the first year from seed sown indoors and transplanted when weather permits.

Splendens (Scarlet Sage). Beautiful bright scarlet. Pkt., 10c.

"Bonfire." This is one of the finest of the Scarlet Sages, growing in a compact bush 2 feet high by 2 feet in diameter. Its erect spikes of brilliant scarlet flowers stand clear above the dark green foliage and completely cover the plant. It attracts immediate attention in the garden, and is one of the most effective and gorgeous plants in cultivation. Pkt., 10c.

Patens (Blue Sage). Pkt., 15c.

SCABIOSA (Mourning Bride, Sweet Scabious, Pin-Cushion Flower, etc.). The Annual Scabiosas are firm favorites with many of our customers. Seed can be sown any time in the spring after danger of frost is past. They grow about 2½ ft. high, and come into bloom early in July, and continue without interruption until hard frost. The beautiful flowers in exquisite shades are borne on long stems, and when cut keep in perfect condition for the best part of a week. They make effective borders or beds, and no garden is complete without both the annual and perennial Scabiosas, especially where flowers are wanted for cutting. Mixed colors. Pkt., 10c.

Hardy Perennial Scabiosas (Caucasica) (Blue Bonnet). One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water, color soft lavender-blue. 3 ft. Pkt., 10c.

SCARLET RUNNER BEANS. Great favorite of England and continent of Europe, not only as an ornamental climber, but for the delicious edible beans which succeed the bright scarlet blossoms. Pkt., 5c.

PLATYCODON (Balloon Flower or Japanese Bellflower). One of the best hardy perennials, producing very showy flowers during the whole season. They form large clumps and are excellent for planting in permanent borders or among shrubbery. Easily raised from seed, which begins blooming in August if sown outdoors in April. Pkt., 10c.

Blue Mixed. Pkt., 10c.

POPPIES. An extremely popular brilliant flowering annual. Poppies should be sown where they are to remain, as they will not stand transplanting.

Single Annual Poppies. Pkt., 10c.

Double Annual Poppies. Mixed colors. Pkt., 10c.

Peony Flowered. Large showy, double mixed colors. Pkt., 10c.

Flanders Scarlet Single. Pkt., 10c.

Shirley. Mixed single and semi-double. Many colors. Pkt., 10c.

Oriental Poppy. Perennial, exceedingly showy; scarlet with black center. Pkt., 10c.

Iceland Poppy. Perennial. Mixed. Pkt., 10c.

PORTULACA (Sun Plant). Fine hardy annual, of easy culture, thrives best in rather rich, light, sandy loam and sunny situation. Flowers of richest colors, blooming throughout the summer in great profusion. Fine for beds, edging or rockwork. 6 inches. Single mixed, pkt., 10c. Double mixed, pkt., 10c.

PRIMULA. Charming beautiful Chinese Fringed Primrose. Fine for winter or spring decorations. One of the most important winter-blooming pot plants. Sow from March to May. Mixed colors. Pkt., 35c.

PRIMULA, Obconica Grandiflora. Everblooming mixed. Pkt., 25c.

PRIMULA, Polyanthus. Perennial. Pkt., 10c.

PYRETHRUM HYBRIDUM (Painted Daisy). Hardy perennial, bearing large Daisy or Cosmos-like flowers, ranging in color from white to deep red, with bright yellow centers. Blooms in May and June, and again in the fall, and is one of the most graceful and long-lasting cut flowers. Pkt., 10c.

Hybridum fl. pl. Seed saved from the finest double flowers. Only a small percentage can be expected to come double the first year. Mixed colors. 2 ft. Pkt., 15c.

RESEDA. See Mignonette.

RHODANTHE (Swan River Everlasting). A charming annual; does well in a light rich soil and warm sheltered situation. Fine for pot culture; flower everlasting. Mixed colors. Pkt., 10c.

RUDBECKIA (Coneflower). Well known hardy perennial; fine for herbaceous border.

Fulgida. Orange-yellow. 5 feet. Pkt., 15c.

Newmani. Orange with purple cone. 3 feet. Pkt., 15c.

Purpurea. Reddish purple. 4 feet. Pkt., 15c.



Double Annual Poppies.

SCHIZANTHUS (Butterfly or Fringe Flower). Splendid annual with a profusion of various colored flowers. Fine for greenhouse decorations and flower garden; of easy culture.

Dwarf Large-Flowered. A new variety, forming compact pyramidal plants a foot high, literally covered with large, beautiful, orchid-like flowers in a bewildering range of color. Pkt., 15c; $\frac{1}{4}$ oz., 40c.

Mixed. A splendid mixture of the regular type, which forms pretty plants 18 inches high with fine foliage and covered with bloom throughout the summer. Pkt., 15c; $\frac{1}{4}$ oz., 25c.

SHASTA DAISIES (*Chrysanthemum Leucanthemum*). A splendid hardy perennial variety with flowers rarely less than 5 inches across, of the purest glistening white with broad overlapping petals, and borne on long, strong stems. A beautiful cut flower, remaining in good condition a week or more. Pkt., 10c.

SMILAX (*Myrsiphyllum Asparagoides*). In many respects the Smilax is the most useful, and certainly one of the most graceful climbers. For bouquets and floral decorations it is indispensable. A tender perennial. 10 ft. Pkt., 10c.

SNAPDRAGON. See *Antirrhinum*.

SOLANUM (Jerusalem Cherry). Very useful pot plant for winter decoration, dwarf branching habit, leaves small and oval-shaped, bearing in great profusion bright scarlet globose berries. Pkt., 10c.

STATICE. An annual which is very desirable for rock gardens or border plant. Flowers are borne in racemes on long graceful stems and may be cut and dried like everlasting. Sow indoors during March or April and transplant to open ground after danger of frost is past. Height of plants 2 to 2½ ft.

Sinuata Mixed. A choice mixture in shades of blue, pink, yellow and white. Pkt., 10c; oz., 50c.

SWEET PEAS. How to grow Sweet Peas: The soil for Sweet Peas should be rich and deep. A good rich loam, with plenty of well-rotted manure in it, is the ideal soil for raising good plants that will produce plenty of blooms. Considerable benefit has been noted from the use of inoculating culture. Seed may be sown out-of-doors as early in the season as the ground can be worked, usually the middle of March to the middle of April. Make a trench or furrow about 6 inches deep, in the bottom of which sow the seed. Cover with about one inch of soil, pressing it down firmly. As soon as they are above ground thin out to 2 or 4 inches apart. Use stout stakes on which wire netting has been fastened 5 feet above ground. Water frequently in dry weather. Flowers should be cut often so as to prevent running to seed.

SELECT GRANDIFLORA SWEET PEAS *Grandiflora* Mixed. $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00.

SPENCER SWEET PEAS. The magnificent new Spencer Sweet Peas are rapidly displacing the older kinds. The plants make a vigorous growth and the flowers are extraordinarily large, being, when well grown, from 2 to 2½ inches in diameter. In addition, the petals are beautifully waved or fluted, and in some of the newer Spencers the fluting is very pronounced. Practically the whole range of grandiflora varieties has now been duplicated in the Spencer type, but after careful trials we have selected the following list as embracing the choicest of the Spencer Sweet Peas:



Schizanthus.



Spencer Sweet Peas.

Appleblossom. Standard rose, showing veins of deeper rose. Wings light carmine; the whole color overspreads on primrose. Pkt., 10c.

Asta Ohn. Charming soft lavender tinted with mauve-pink. Pkt., 10c.

Austin Frederick. Improved large pure lavender. Pkt., 10c.

Barbara. Bright salmon-orange with dark stems. Pkt., 10c.

Campfire. Bright cerise-scarlet. Pkt., 10c.

Constance Hinton. Giant white. Pkt., 10c.

Crimson King. Rich oxblood crimson. Pkt., 10c.

Daffodil. Large, very deep primrose. Pkt., 10c.

Fiery Cross. Bright orange-cerise. Pkt., 10c.

Florence Nightingale Lavender. Pkt., 10c.

Hercules. A rich pink flower, waved. Pkt., 10c.

Hero. A beautiful cerise. Pkt., 10c.

Heavenly Blue. Delphinium blue. Pkt., 10c.

Hebe. Giant rosy pink. Pkt., 10c.

Huntsman. A new shade of scarlet. Pkt., 10c.

King White. Produces gigantic flowers absolutely pure white. Pkt., 10c.

Mary Pickford. Cream pink suffused with salmon. Pkt., 10c.

Miss California. Salmon-pink. Pkt., 10c.

Mrs. Tom Jones. Brilliant blue. Pkt., 10c.

Royal Purple. Rich royal blue. Pkt., 10c.

Renown. Large carmine. Pkt., 10c.

Splendour. Rich maroon. Pkt., 10c.

Sunset (Bolton's). Bright rose. Pkt., 10c.

Youth. White, edged with a delicate soft rose-pink. Pkt., 10c.

Superb Mixed. Per ounce, 25c; $\frac{1}{4}$ lb., 85c; 1 lb., \$2.50.

STOKESIA, *Cyanea* (Cornflower Aster). This is not new but is a rare and beautiful hardy perennial. The plant grows about 24 inches high, each bearing from 20 to 30 handsome lavender-blue cornflower-like blossoms; in bloom from July till frost. One of the choicest subjects for the hardy border, and indispensable for cutting. Pkt., 10c.

STOCKS, Cut-and-Come-Again 10-Weeks Stocks. Splendid perpetual-blooming class; sown in March or April they begin flowering in July, continuing till frost, and are especially valuable during September and October, when other flowers are scarce. They throw out numerous side branches, all bearing very double, fragrant flowers. Finest mixed, all colors. Pkt., 10c.

SUNFLOWER. These comprise plants of majestic growth and immense showy flowers, suitable for shrubberies, woodlands, wild gardens and sub-tropical gardening; the dwarfer kinds, with smaller flowers, are charming when grouped in mixed flower borders. Excellent for cutting.

Large-Flowered Tall. Pkt., 10c.

Californicus fl. pl. 10 ft. Double dark yellow. Pkt., 10c.

Double Mixed. Pkt., 10c.

Russian Mammoth. Single, of gigantic dimensions. 1 oz., 10c.

SWEET ROCKET (*Hesperis*). Old-fashioned garden plant, also known as Dame's Rocket and Dame's Violet. 2 to 3 ft. high with spikes of showy white, lilac and purple fragrant flowers. Fine for shrubbery and permanent border. Mixed colors. Pkt., 10c.

SWEET SULTAN. See *Centaurea*.

SWEET WILLIAM (*Dianthus Barbatus*) (London Tufts). A well-known, attractive, free-flowering hardy perennial, producing a splendid effect in beds and borders with their rich and varied flowers. It is much better to raise new, vigorous, young plants from seed every season than to divide the old plants.

Pink Beauty. Deep pink. Pkt., 10c.

Double Mixed. Pkt., 10c.

Single Mixed. Pkt., 10c.

TAGETES. See Marigolds and Calendula.

THUNBERGIA (*Black-Eyed Susan*). Beautiful rapid-growing climber used especially for hanging baskets, low fences, etc. Flowers in buff, white, orange, etc., with dark eyes. Mixed colors. Pkt., 10c.

TORENIA. Fine annual. Splendid plant for vases, hanging baskets, borders, etc., blooming the entire season. Blue, white, and yellow. Pkt., 10c.



Stokesia.

TROPAEOLUM. See *Nasturtium*.

VERBENAS. Unrivalled as low growing bedding plants. Long season of bloom. Very few plants will make such a gorgeous display during the summer months as the Verbenas, or furnish more flowers for cutting. Start seed in the house or under glass early in the spring, and transplant after three or four inches of growth. Good healthy plants can be produced readily from seed. They flower in July, and continue strong and healthy until after severe frosts.

Scarlet. Brightest scarlet. Quite true. Pkt., 10c.

Pure White. Quite true from seed. Pkt., 10c.

Blue. Shades of blue and purple. Pkt., 10c.

Pink. Pkt., 10c.

Mixed Colors. Pkt., 10c.

Lemon Scented. Pkt., 10c.

VERONICA, *Spicata*. Bright blue flowers. Pkt., 10c.

VIOLA. See *Pansies*.

VINCA (*Madagascar Periwinkle* or *Old Maid*). Ornamental free-blooming plant, fine for bedding, flower from seed the first season, continuing until frost or they may be potted and kept in bloom through the winter. 2 ft. Rose, pkt., 10c. White, pkt., 10c. Mixed, pkt., 10c.

WALLFLOWER. Well-known deliciously fragrant half-hardy perennials, blooming early in the spring, with spikes of beautiful flowers. They should be protected in a cold frame in the winter and planted out in April.

Single Mixed. All colors. Pkt., 10c.

Double Finest Mixed. Pkt., 10c.

WILD CUCUMBER. See *Echinocystis*. Pkt., 10c.

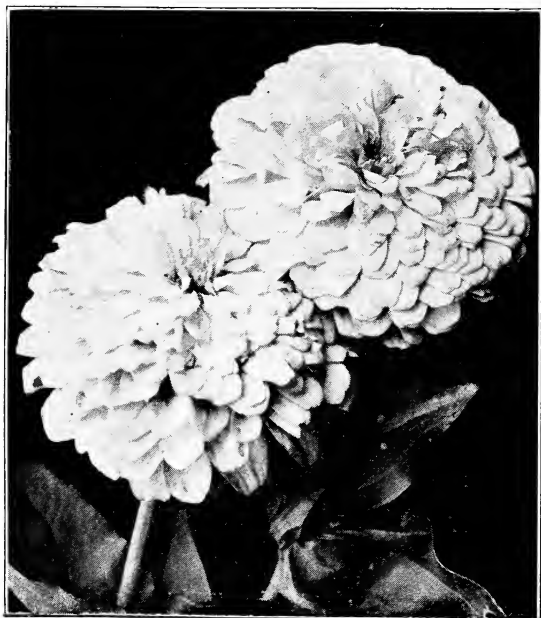
WILD GARDEN FLOWER SEEDS. Under this heading we offer a mixture of the easiest and surest growing kinds that can be sown broadcast, and with little or no care will produce a bright effect in places that would otherwise be nothing but a collection of unsightly weeds, and furnishing an abundance of flowers for cutting. Pkt., 10c.

ZINNIAS (*Youth and Old Age*). One of the most brilliant and showy of annuals. An old and continued favorite. The seed can be sown early and transplanted or sown later in open ground. They come into bloom early in summer, and continue until hard frost.

Double Giants. Mixed colors. Pkt., 10c.

Giant Mammoth. Enchantress—light rose with deep rose center; Miss Willmott, soft pink; Orange King, orange; Lemon Queen, yellow; Scarlet Gem, scarlet; Rose Queen, deep rose, each, pkt., 15c. Mixed colors, pkt., 10c.

Dahlia Flowered. The latest development in Zinnias, bears flowers of mammoth size resembling a decorative Dahlia. Our special strain is grown by the originator of this type. Mixed colors. Pkt., 15c.



Mammoth Zinnias.

List of Plants Grown from Seed, Suitable for Special Purposes and Different Situations

The lists below were compiled for your convenience so that you can readily select proper varieties for different purposes or locations. These lists are by no means complete, but merely suggestive. Each variety, throughout the catalog, is clearly described; height, growing habits and for what purposes they are best suited. Directions how to plant are printed on every package of Ebeling Flower Seeds. Your success is our success—we are as much interested as you are in the results obtained from sowing Ebeling Seeds.

Plants Suitable for Pots

Abutilon
Ageratum
Alyssum
Antirrhinum
Asparagus
Blue Daisy
Brachycome
Butterfly Flower
Calceolaria
Calendula
Carnation
Cineraria
Coleus
Cyclamen
Geranium
Gloxinia
Heliotrope
Lantana
Lemon Verbena
Lobelia
Mignonette
Petunia
Phlox
Primula
Stocks
Vinca

Climbing and Trailing Vines

Adlumia
Ampelopsis
Balloon Vine
Canary Bird Flower
Cardinal Climber
Clematis
Cobaea
Cypress Vine
Everlasting Pea
Gourds
Ipomoea
Japanese Hop Vine
Kudzu Vine, Japanese
Morning Glory
Nasturtium, Tall
Smilax
Sweet Peas
Thunbergia

Plants Suitable for Edging or Bordering Walks and Beds

African Gold Daisy
Ageratum
Alyssum
Antirrhinum
Arabis
Brachycome
Calliopsis, Dwarf
Candytuft
Carnation
Centaurea, Gymnocarpa
Coleus
Daisy, English
Dianthus

Eschscholtzia
Euphorbia, Variegata
Gypsophila
Kochia
Lobelia
Marigold, French
Mignonette
Myosotis
Nasturtium, Dwarf
Nigella
Pansy
Petunia
Phlox Drummondii
Portulaca
Salvia
Statice
Stocks
Sweet William
Verbena
Vinca
Zinnia

Plants Succeeding in Partial Shade

Anchusa, Capensis
Antirrhinum
Aquilegia
Begonia
Butterfly Flower
Campanula
Coreopsis
Daisy, English
Delphinium
Digitalis
Feverfew
Myosotis
Poppy, Hardy
Viola

Long Stemmed Flowers for Cutting

Antirrhinum
Arctotis
Aster
Blue Lace Flower
Calendula
Celosia
Centaurea
Chrysanthemum
Coreopsis
Cosmos
Dahlia
Delphinium
Gaillardia
Gypsophila
Larkspur
Marigold
Mignonette
Pyrethrum
Salpiglossis
Scabiosa
Sunflower
Sweet Peas
Woolflower
Zinnia

Drooping Plants Suitable for Vases, Hanging Baskets, Porch Boxes, etc.

Alyssum, Sweet
Asparagus
Centaurea, Gymnocarpa
Lantana
Nasturtium
Oxalis
Petunia
Smilax
Thunbergia

Everlastings or Straw-flowers to Dry for Winter Bouquets

Acroclinium
Everlasting Mixed
Globe Amaranth
Gypsophila
Helichrysum
Ornamental Grasses
Pampas Grass
Statice

List of Hardy Perennial Flower Seeds

Achillea, Ptarmica fl. pl., "The Pearl" (Double White Yarrow). A fine white cut flower, blooms all summer
Aconitum Napellus (Monkshood)
Adlumia Cirrhosa. A nice climber, flesh color
Agrostemma Coronaria Bright crimson
Agrostemma Coronaria Alba. White
Alyssum Saxatile Compactum. Yellow
Ampelopsis Veitchi (Boston Ivy)
Anchusa Italica, Dropmore Variety. Dark blue
Anemone Coronaria Mixed colors
St. Bridget. Semi-double, fine
Anthemis Kelwayi Yellow
Aquilegia
Arabis Alpina. White spring flower
Aster, Perennial. Finest Mixed

Baptisia Australis (False Indigo)
Campanulas
Centaurea Montana Hardy Cornflower, Blue
Coreopsis
Delphiniums
Dianthus
Digitalis
Gaillardias
Geum
Mrs. Bradshaw. Double orange-scarlet
Grasses, Ornamental
Gynerium Argenteum (Pampas Grass)
Pennistemon Japonicum (Hardy Fountain Grass)
Stipa Pinnata (Feather Grass)
Gypsophilas
Hibiscus
Hollyhocks
Honesty (Lunaria biennis) White
Iberis Gibraltarica (Hybrida). Lilac-white
Sempervirens. Hardy white candytuft
Lathyrus Latifolius Albus, "White Pearl"
Pink Beauty. Pink and white
Red
Mixed. All colors
Lavandula Vera. True lavender
Linaria Cymbalaria (Kenilworth Ivy)
Linum Perenne. Blue
Lupinus
Lychnis Chalcadonica, Scarlet
Papaver or Poppy
Pentstemon Barbatulus Torreyi. Scarlet
Fine Mixed
Phlox Decussata. Extra choice mixed
Physalis Francheti
Chinese Lantern Plant
Platycodon Grandiflora, Blue
Polyanthus
Finest Mixed
Pueraria Thunbergiana, (Kudzu Vine)
Pyrethrums
Salvia Patens. Sky blue
Statice Latifolia. Purplish blue
Mixed Varieties
Stokesia
Sweet Rocket (Hesperis). Mixed
Sweet William
Veronica Spicata. Bright blue

Plants for Spring Planting

Cauliflower	Eggplant	Aster
Cabbage	Pepper	Verbenas
Celery	English Daisy	Snapdragon
Tomato	Salvia	Pansy

Bulbs for Spring Planting

Cannas	Amaryllis	Dahlia
Gladioli	Madeira Vine	Tuberose
Caladium	Hardy Lilies	See page 17.

Summer Flowering Bulbs

Gladioli

Uniform Price of 5c Each and 50c per Doz. on Following
List of Gladioli

- ALICE TIPLADY.** Soft orange, saffron shade. Extra fine.
- BARON J. HULOT.** (Lemoine). Rich violet-blue.
- BREAK O' DAY.** La France pink flushed over cream, deeper at tips of petals. Zone Martins yellow on lower petals with delicate central lines of Brazil red. Largest extra early.
- CHRIS.** Very dark velvety red, self color. The very best of the dark reds.
- GOLDEN WEST.** (Wilmore). Clear orange scarlet, lower petals blazed with golden yellow, faintly suffused with violet shadings. Very early.*
- HALLEY.** Delicate salmon-pink. Early.
- LE MARECHAL FOCH.** Early light salmon-pink. Very large and early.
- LUCETTE.** (Bill's Origination). As seen in the fields it appears to be absolutely pure white but back of the petals carry a trace of phlox pink, etc.
- MARY PICKFORD.** (Kunderd). Wonderful creamy white with handsome heavy spikes showing many flowers open at once.
- MRS. DR. NORTON.** White, suffused soft pink, lower petals yellow dotted deep red.
- NIAGARA.** (Banning). Soft primrose-yellow, tinged rose-pink in throat.
- NORA.** Delicate lavender on white ground, deeper at edge of petals. A desirable cut flower variety.
- OPALESCENT.** (Bill's Origination). Wonderful spikes of very large pale rose-lavender. A pure self-color with soft lilac throat lines. A vigorous grower with excellent foliage and strong, straight bloom stalks. Flowers well placed with broad petals of good substance.
- PANAMA.** (Banning). Deep pink.
- MRS. FRANK PENDLETON.** (Kunderd). Straight spikes. A lovely salmon-pink with brilliant deep red blotches in throat.
- PRIORITY.** Tall, straight and strong. Large open flowers. Color is Venetian pink, shaded darker toward the tips. Faint central lines and feather of deep rose-pink.
- ROMANCE.** A glorious Gladflower, bearing magnificent orange-salmon blooms with yellow throat marked brilliant red.
- SCARLET PRINCEPS.** Large scarlet.



Gladiolus Theda.

SCHWABEN. Pure yellow, red stripes on lower petals.

THEDA. Earlier than Halley; great for forcing. Large open flowers well placed on tall stems. Most delicate shrimp pink gradually blending to soft Pinard yellow in the throat with pansy-violet lines on the lower petals.

ALL THE ABOVE NAMED VARIETIES
5c each; 50c per doz.

GLADIOLI. Extra choice mixed, 35c per doz. Good mixed. 25c per doz.

HOTKAPS

NEW METHOD OF PLANT PROTECTION

Matures crops earlier; shields plants from wind and rain; protects them from frost and insects; keeps dirt soft—miniature "hothouses"! A revolutionary device that saves farmers much in time, labor and money.

CATALOG PRICES:

1 roll	\$11.75	25 rolls—per roll ...	\$10.00
5 rolls—per roll ...	11.00	"Hotkap" Setter	2.75
10 rolls—per roll ...	10.50	"Hotkap" Carrier ..	2.75



Border of Gladioli in the Garden.



Canna, The President.

HARDY LILIES

AURATUM (Gold Banded Lily). Large, graceful, six-petalled flowers of delicate ivory white thickly studded with brownish spots and a golden stripe running down the center of each petal. One of the most beautiful garden lilies. Very fragrant.

REGALE (Regal Lily). The flowers are white, slightly suffused with pink, with a canary yellow throat and extending part way up the trumpet. Delightfully perfumed. Very easy to grow anywhere.

AMARYLLIS

Amaryllis Cultural Directions. Pot the bulbs in pots one or two inches larger than the diameter of the bulb. Cover only to the shoulder, leaving the neck protruding. Use a soil containing a third rotted manure and bone meal. Give very little water until growth starts. A temperature of from 50 to 60 degrees suits them best.

A wonderful strain of new Giant-flowered Amaryllis, of free-flowering habit. The large flowers are composed of broad, well rounded, overlapping petals and range in colors varying from crimson to orange scarlet, light rose to white to the richest self-colorings and combinations of stripes and variegations.

BELLADONNA MAJOR. Large flowers of white flushed rose-pink. Each, 50c; doz., \$5.00.

FORMOSUM (Jacobean Lily). Early blooming, vivid crimson. Each, 60c; doz., \$6.00.

HALLI (Hardy Amaryllis). Beautiful lily-shaped flower, of a delicate lilac-pink shaded clear blue. Very useful for the border or among shrubbery. Each, \$1.50; doz., \$15.00.

DAHLIAS

In wide range of colors and types. From 10c to 25c each.

CANNAS

Each, 10c; 3 for 25c; 75c per doz.

HUNGARIA. Large dainty, rose-pink flowers frequently edged with cream. 3½ ft. high.

KING HUMBERT. Bronze foliage; red blossom. 4 ft. high.

YELLOW KING HUMBERT. Yellow blossoms, red spots, green foliage. 4½ ft.

FLORENCE VAUGHAN. Green foliage; yellow blossoms.

THE PRESIDENT. Magnificent huge flower trusses of a rich scarlet color. Green foliage. 4 ft. tall.

TUBEROSES

Dwarf Pearl Excelsior. 10c each; \$1.00 per doz.

CALADIUM or ELEPHANT'S EAR

Price, 15c to 25c.

CINNAMON VINE

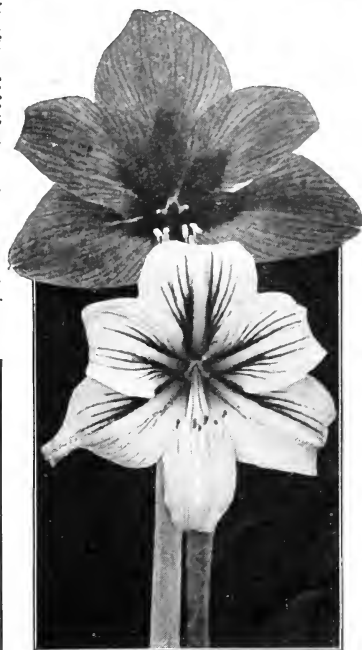
Hardy climber. Is easily grown; 10 to 15 ft. tall. A profusion of small white fragrant flowers.

MADEIRA VINE

Perennial climber. Bright green leaves. Produces during September a mass of tiny white flowers on attractive small spikes. Cover during the winter with a 3-inch layer of leaves or strawy manure. 15 ft. tall.

FALL BULBS

About September first next we issue our Annual Catalog of Choice Dutch Bulbs and Seeds for Fall Planting. It will be sent free to all customers without ordering it, and to others who apply for it.



Amaryllis.

122 Elton Ave., Syracuse, N. Y.

Dear Mr. Ebeling:

Last spring I purchased a large number of Gladiolus Bulbs at your store, and took the usual care in setting and care of same.

The results have been most pleasing. I consider your stock far superior to any Gladioli I have ever grown. Previously I patronized other dealers, and in no case have results been obtained equal to your bulbs. Every Gladiolus has shown wonderful blooms, range of colors, tints and shades. A large number, in fact practically all—have reached heights from 3½ to 4½ ft. The blooming season has lasted longer than with any Gladiolus flowers raised by my neighbors. My beds have certainly attracted unusual and favorable comment. As a result, I believe you will have a large number of new customers in 1931 on this account.

Yours very truly,

I. L. OGDEN.



Mary Washington
Asparagus.

the rows three or three and one-half feet apart, and cover with two inches of mellow soil. Do not hoe or cultivate while the plants are wet with dew or rain, as getting the leaves bespattered with earth causes rust, which injures the crop.

PENCIL POD WAX. This comparatively new wax-podded bean is particularly handsome, also medium early, hardy and very prolific. Leaves roughened. Pods long, five and one-half to six inches, straight, round, fleshy, and of a bright yellow color; tender, absolutely stringless and of excellent quality, and are produced through a long season. One of the best for home use and near markets. Seed long, round, medium sized; color solid black. Lb., 40c; 2 lbs., 75c.

DAVIS WAX. A very hardy and productive variety, desirable where a wax-podded, white seeded, midseason sort is wanted. Vines very vigorous. Pods are invariably long, six and one-half to seven inches, light yellow; seed kidney shaped. Lb., 40c; 2 lbs., 75c.

IMPROVED BLACK WAX. This variety takes the place of the old black wax or butter bean and is much better in every respect. Vines medium sized, with small foliage, very vigorous, hardy and productive, maturing about midseason, well up from the ground, fleshy and of a light golden yellow, and remain a long time in condition for use as snaps. Lb., 40c; 2 lbs., 75c.



Davis
Kidney
White Wax

Spargel (Ger.)

Sparagio (It.)

MARY WASHINGTON ASPARAGUS. This is a selection from the Washington showing a marked improvement in every respect. It is much larger than the ordinary strain and is some earlier. Tips very compact and a rich purplish green. The whole stalk, from base to tip is remarkably tender. Pkt., 10c; oz., 35c; ¼ lb., 75c; lb., \$2.50.

MARTHA WASHINGTON. A vigorous growing and very productive variety. The most uniform in type of any of the so-called rust resistant varieties. The shoots are large, of excellent quality, rich deep green color, tinted somewhat with purple at tips. Seed, pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

PALMETTO. Is early, a fine yielder, even and regular in its growth. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

BARR'S MAMMOTH. The fine old reliable sort. Pkt., 10c; oz., 15c; lb., \$1.25.

ROOTS OF ABOVE VARIETIES AT \$2.00 PER 100. Can furnish in one and two-year roots.

BEANS—DWARF WAX VARIETIES

Bohnen (Ger.)

Faginoli (It.)

Culture. Beans should not be planted until the ground is warm, as cold and wet weather will cause the seed to rot. For garden culture plant four or five seeds in hills one foot apart and the rows 18 inches apart. For field culture make



Giant Stringless Green Pod.

ROUND POD KIDNEY WAX. This midseason variety is exceedingly handsome and very desirable for the home garden. Vines dwarf, spreading and productive. Pods long and round, waxlike, stringless and of the best quality. Uniformly perfect. Medium-sized, white, with a little dark marking about the eye. Lb., 40c; 2 lbs., 75c; 10 lbs., \$3.50.

IMPROVED GOLDEN WAX or DETROIT WAX. Vines a little more upright and harder than the Golden Wax. The handsome deep yellow pods are about five inches long, broader and flatter than Golden Wax. Seed medium size white with dark brown to black markings. Lb., 40c; 2 lbs., 75c; 10 lbs., \$3.50.

POLE BEANS—Green Pod

KENTUCKY WONDER. This remarkably vigorous growing, green podded pole bean has very long pods, somewhat broad, very fleshy and quite stringless as snaps. The mature pods are often eight to nine inches in length. Its earliness and hardiness commend it as a pole bean. Large green pods are unexcelled in quality by any green podded bean of its class. ½ lb., 20c; lb., 40c; 2 lbs., 75c.

SCARLET RUNNER. Brilliant scarlet flowering ornamental pole bean. ¼ lb., 15c; lb., 50c.

WHITE RUNNER. Same as Scarlet Runner, only white. ¼ lb., 15c; lb., 50c.

BEANS—Dwarf Green Podded

BOUNTIFUL. For the market gardener this is one of the popular varieties. Pods are medium size, green and flat. An excellent snap bean. Dry beans are yellowish brown color. Lb., 40c; 2 lbs., 90c.

BLACK VALENTINE. A very hardy and productive green-podded sort with strong, vigorous vines. The pods are nearly round or slightly flattened but very handsome. A large crop can be depended on and the product is very attractive on the market. It is very extensively used for shipping. The pods are medium dark green and about six inches long. Seed small to medium sized, black, oblong, slightly flattened. Lb., 40c; 2 lbs., 90c.

Dwarf Green Podded Beans—Continued

GIANT STRINGLESS GREEN POD. A very desirable green-podded snap sort for the home garden and largely grown for the market. Vine is vigorous, spreading and productive. Pods are dark green, five to six inches long, crisp and tender. Lb., 40c; 2 lbs., 75c.

RED VALENTINE EXTRA EARLY ROUND POD. For snaps there is nothing superior to this variety among the dwarf green-podded sorts both for home and market garden and many prefer it to the wax varieties. Vines medium to large, erect, with dark green leaves. Pods medium length, about four and one-half inches, curved, cylindrical, with crease in back, very fleshy, crisp and tender. Lb., 40c; 2 lbs., 70c.

REFUGEE, or 1000 TO 1. Of compact growth and very prolific. The pods are light green, very solid and tender. Lb., 30c; 2 lbs., 50c.

DWARF HORTICULTURAL. Vines very productive, compact, upright, with large leaves. Pods five to five and one-half inches, become fit for use as green shelled beans early and in this condition the beans are very large, easily shelled and are about equal to the Lima in quality. One of the best sorts for green shell beans for home and market. Lb., 50c; 2 lbs., 90c.

Pea, per lb.	\$0.20	Imperial, per lb.	\$0.25
Marrow, per lb. ....	.25	White Kidney, per lb. ....	.25
Navy, per lb. ....	.25	Red Kidney, per lb. ....	.25

Special Prices on Bushel Lots

All Prices Subject to Change Without Notice
Plant During the Moon Period for Best Results



Fordhook Bush Lima Bean.

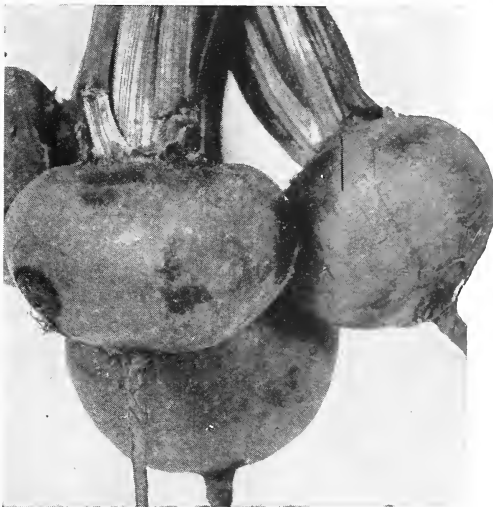
BEANS—Dwarf or Bush Lima

DREER'S BUSH LIMA. A dwarf variety of the Dreer's Improved Lima. The beans grow close together in the pods, producing 3 to 4 and sometimes 5 in a pod, and are thick, sweet and succulent. Lb., 40c; 2 lbs., 75c.

BURPEE'S BUSH LIMA. True bush form of large white Lima, bush 15 to 20 inches high, 24 to 30 inches diameter, supported by its own thick stems. For productiveness and quality of beans it is not surpassed. Lb., 40c; 2 lbs., 75c.

FORDHOOK BUSH LIMA. An improved dwarf Lima of the Kumerle type. The plant is vigorous and erect growing, bearing well above the ground. The pods, which are produced in large clusters, are medium green, about four and three-fourths inches long, and contain three to five large beans. Lb., 40c; 2 lbs., 75c.

BROAD WINDSOR. An old-fashioned English shell bean. This bean is very hardy; it should be planted as early as the ground will permit, three or four inches deep in rows three feet apart, and plants four feet apart in row. Dry beans very large and yellowish green. Oz., 10c; lb., 60c.



Crosby's Egyptian Beet.

BEANS—Pole Lima

SCARLET RUNNER, POLE. Largely grown as an ornamental, for its attractive flower clusters. The shelled beans are quite palatable and serve the same as Limas. Pkt., 10c; ¼ lb., 15c; lb., 50c.

KING OF THE GARDEN LIMA. Vines very vigorous and productive. Pods five to six inches long, filled with four or five immense white beans of the finest quality. On account of its large pods it is a favorite with market gardeners. It will come into bearing sooner and will make larger pods if not more than two vines are left to grow on a pole. Lb., 40c; 2 lbs., 75c.

EARLY JERSEY LIMA. Matures a few days earlier than the King of the Garden, and is very productive. The pods contain from three to four large beans, and the quality is good. Lb., 40c; 2 lbs., 70c.

BEETS

Rube (Ger.)

Barbabetola (It.)

The best results are obtained on a deep, rich, sand loam. If wanted very early, sow such sorts as Crosby's Egyptian or Detroit Dark Red in hotbeds and transplant, cutting off the outer leaves. For general crop sow in freshly prepared soil as soon as the ground will permit, in rows eighteen inches apart, covering about an inch deep and pressing the soil firmly over the seed. For winter use the turnip varieties may be sown in June so as to mature late in the season.

EXTRA EARLY EGYPTIAN BLOOD TURNIP. The best variety for forcing and excellent for first early crop out-of-doors, being very early with small tops. Root very dark red, moderately thick, a little rounded on top, distinctly flat on the bottom, and about two inches in diameter when mature. Flesh dark purplish red, zoned lighter shade. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00. (Same as Albani Beet).

ALBANI. Turnip shaped. Bright scarlet color, very early open ground variety, a good buncher. (Same as Early Egyptian Blood Turnip). Oz., 15c; ¼ lb., 30c; lb., \$1.00.

EARLY ECLIPSE. An early beet especially desirable for the home garden. Tops small. Root bright deep red, smooth, round. Flesh bright red, zoned with pinkish white; very sweet, crisp and tender. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

CROSBY'S EGYPTIAN, SPECIAL. This special selection is valuable both for the private gardener and the amateur, on account of its reliability to produce a uniform crop of best quality. In the production of this seed, selection is not only made for shape, but also for extreme earliness and high quality. The skin is very smooth, bright red and flesh vermilion, very sweet and tender. Oz., 15c; ¼ lb., 35c; lb., \$1.00.

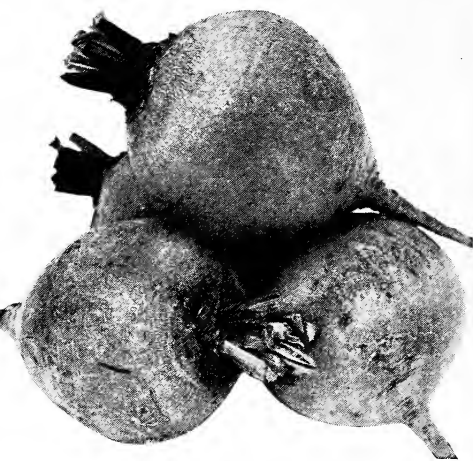
Special Cash Discount to Market Gardeners
Special Sale in Tools and Machinery, see page 53.

BEETS—Continued

DETROIT DARK RED. We believe this is the best beet for the market and home garden, and on account of its uniformly deep rich color the most desirable for canning. Tops small, upright in growth. Very smooth and of dark blood red color. Flesh is deep vermilion-red, zoned with a lighter shade of the same color. Careful comparisons with all the prominent varieties on the market in this country and in Europe prove that the Detroit Dark Red Beet is the most uniform in shape and size and the most attractive in color. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

EARLY WONDER. A deep blood red beet, nearly globular, with small, clean tap-root and small sized top. One of the earliest and most uniform bunching beets on the market. A field of Early Wonder Beets will mature so evenly that the crop may be harvested at one time. Pkt., 10c; oz., 15c; lb., \$1.25.

CRIMSON GLOBE. A perfect beet in all respects; brilliant crimson in color, globe-shaped, with a very smooth skin, and an exceedingly small tap root, fine-grained, sweet in flavor, and tender at all times. The foliage is small, admitting of close planting. Not only a market gardener's sort, but one of the best for the kitchen garden, as it is extra early. Pkt., 10c; oz., 15c; lb., \$1.00.



Detroit Dark Red Beets.

SWISS CHARD. See Kale Beets. Grown exclusively for the numerous fleshy, tender leaves and leaf stalks, which are superior to those of other beets for use as greens. The waxlike leaf stems are cooked like asparagus or are pickled. Sometimes called Leaf Beet, Spinach Beet and Silver Beet. Pkt., 10c; oz., 15c; lb., \$1.25.

Mangel Beets—Mangel Ruben

GOLDEN TANKARD. A smooth, yellow fleshed Mangel. The roots are of large diameter, tapering quickly at the bottom, which is quite broad, with only a small tap-root. It grows largely above the soil and is easily harvested. It yields enormous bulk on good land and can be sown closely in rows. Oz., 10c; ¼ lb., 20c; lb., 75c.

MAMMOTH LONG RED. This is a heavy cropper and a large yielder. The roots grow from one-half to two-thirds above the surface, and are frequently two or more feet in length by six inches usual diameter. Dark, richly colored foliage, skin dark red, flesh white with veined rings of rose-pink. Same as Norbiton Giant. Oz., 10c; ¼ lb., 20c; lb., 75c.

DANISH SLUDSTRUP MANGEL. This most wonderful Mangel is a long, reddish yellow root but not so long as the Mammoth Long Red. It grows more above ground, is very easily harvested, and requiring but little exertion to pull same. They frequently weigh from 15 to 20 lbs. Oz., 10c; lb., 75c.

IDEAL SUGAR MANGEL BEET. The illustration faithfully shows the shape of this wonderful Mangel. It is a perfect chunk of a beet, being as large at the bottom as at the top. Stands two-thirds above ground. Is easily harvested even on hard soils. This new and original Mangel has been tested alongside thirty other Mangels and by strict laboratory tests on trial grounds and field demonstrations, has proved to be ideal and superior in quality. Lb., \$1.50; 10 lbs., \$12.50.

- A.—Contains the greatest amount of sugar of any mangel.
B.—Grows high above the ground.
C.—Skin and flesh light yellow.
D.—Greatest yield of saccharine dry matter.

- E.—Very easy to harvest.
F.—Best keeper.
G.—Splendid ensilage.
H.—Has yielded 25 tons to the acre.

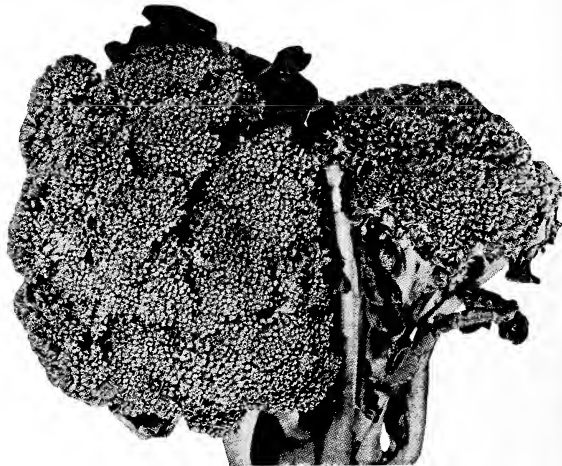
The value of this Mangel for stock feeding cannot be over-estimated. No one who keeps horses, sheep or cattle should be without these roots for winter feeding.

Golden Tankard
Mangel.**BROCCOLI****Spargelkohl (Ger.)****Broccoli (It.)**

ITALIAN GREEN SPROUTING. Recently introduced from Europe and very popular here. It is quite distinct from the white heading Broccoli. The plants are rapid growing and produce a large head at center of plant in about ninety days from date of planting. The head is a compact cluster of tightly closed buds and resembles cauliflower only in shape, as the color is dull bluish green. It is used without blanching and ready for use as soon as fully developed. After this central head is removed the plant produces many branches, each bearing smaller terminal and lateral heads which are fully as desirable as the first head produced. If these heads are gathered as soon as they become large enough for use, the plant will continue to produce for a period of eight to ten weeks. Quality fully equal to cauliflower and by some considered superior. The secondary heads are four to six inches in length and these stems are fully as desirable as the heads. Served same as asparagus. It is adapted to growing in spring, summer or fall, and is certainly much more easily and successfully grown in the northern states than cauliflower or Brussels sprouts. Pkt., 10c; oz., 75c; ¼ lb., \$2.50.

PURPLE CAPE. Pkt., 10c; ¼ oz., 40c; oz., 75c.

EARLY LARGE WHITE FRENCH. Hardy, vigorous and easily grown. Heads white. Pkt., 10c; oz., 70c.



Italian Broccoli.

BRUSSELS SPROUTS

Rosenkohl (Ger.)

Cavoli di Bruxelles (It.)

This vegetable is used in the fall and early winter and by some considered more tender and delicious than any cabbage. Resembles the cabbage, the edible part being the numerous very small heads or sprouts an inch or two in diameter.

IMPROVED HALF DWARF. The most useful variety, one and one-half to three feet high. Pkt., 10c; oz., 20c.

CABBAGE

Kopf-Kohl

EARLY JERSEY WAKEFIELD. The best early cabbage in cultivation. Forms fine solid heads of good size, pointed heads with few outer leaves. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

SUCCESSION. We consider it one of our most valuable contributions to horticulture. It would be classed as a second early variety, coming in a few days later than Early Summer, but double the size. Pkt., 10c; oz., 25c; lb., \$3.00.

MAMMOTH RED ROCK. Large, round, solid heads, slightly flattened. Plants large, with numerous spreading leaves. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$3.00.

AMERICAN DRUMHEAD SAVOY. The best of the late Savoys for house use or for the market. The plant is robust with short stem. Is very much curled or wrinkled. A sure header of large size and the best of the Green Globe Drumhead Savoy. Pkt., 10c; oz., 25c; ¼ lb., \$1.00; lb., \$4.00.

GOLDEN ACRE. It resembles the "Copenhagen Market" head perfectly round, and leaves saucer-shaped. It matures ten days earlier than Copenhagen Market. The Golden Acre begins to form head as soon as the leaves have reached the size of a saucer and the growth may be observed almost from day to day. It matures in eighty days from date of sowing, and no other cabbage, including the earliest Jersey Wakefield, has proven as early. We believe it to be the earliest cabbage in existence. Average weight is 5 lbs. Occupies only 20-inch space. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

COPENHAGEN MARKET. This new Danish cabbage is the largest and earliest ball-shaped variety known. Heads very solid, of wonderful quality, with small cores and weighing from 10 to 15 pounds. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.



Early Copenhagen Market Cabbage.

GLORY OF ENKHUIZEN. A very large early cabbage, heads nearly round, very solid, and which has proved to be one of the most profitable of the early market cabbages. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$3.00.

DANISH BALLHEAD. Short-stemmed. We consider this the best strain of Danish cabbage. The heads are large, almost perfectly round, very hard, solid and of good deep green color. This strain of seed produces larger heads and consequently heavier yields than the old style Danish cabbage. A number of large fields in this locality have yielded as high as 22 tons per acre. There is no finer strain than this. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.50.

FLAT DUTCH. A fine, very large, late winter variety. Very popular on account of size, quality and yield. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.50.

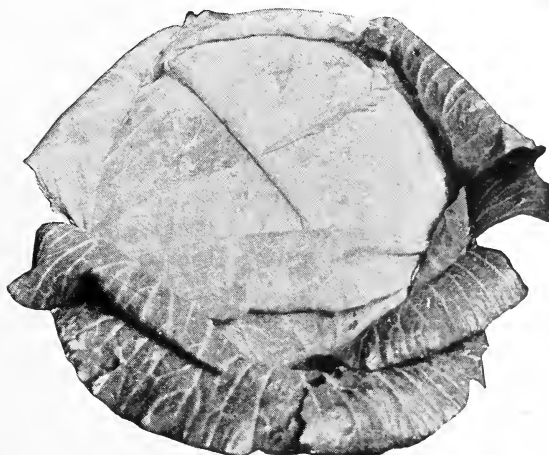
LATE DRUMHEAD. One of the old-fashioned big growing sorts. So well known that a description is unnecessary. Pkt., 10c; oz., 25c; ¼ lb., \$1.00; lb., \$3.00.

PE-TSAL. This fine vegetable resembles Cos Lettuce. The head is large and compact, and all but the outer leaves blanch a creamy white. Very crisp and tender, and in every way adapted for the home garden. Pkt., 10c; ½ oz., 25c; oz., 30c; ¼ lb., 85c; lb., \$3.00.

Special Cash Discount to
Market Gardeners

Remedy for Cabbage Worms

One quart salt, mix with one tablespoon Cayenne Pepper. Sprinkle moderately into heart of cabbage. Apply once a week for several weeks. Will keep worms off and produce perfect heads. Formula given by Mr. John Huller, 507 Erikson Avenue, Eastwood, N. Y.



Flat Dutch Cabbage.



Pe-Tsai.

CARROTS

Carotten (Ger.)

Carota (It.)

Carrots to grow to perfection require a deeply cultivated, rich and well pulverized soil. Sow early in the spring as soon as the soil is fit to work, in drills 15 to 18 inches apart, covering one inch deep, and press the soil firmly over the seed. If desired to cultivate with horse, make rows three feet apart.

EARLY FRENCH FORCING. The earliest variety in cultivation and the best suited for forcing. Tops small, finely divided. The reddish orange colored roots are nearly round. When fully matured they are about 2 inches in diameter, but should be used before they are full grown and while young and tender. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

EARLY SHORT HORN. Excellent for early planting out-of-doors. Tops small, coarsely divided. Roots top-shaped, but tapering abruptly to a small tap. Skin orange-red. Oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

GUERANDE or OX HEART. Tops small for the size of the roots which are comparatively short but often reach a diameter of five inches, terminating abruptly in a small tap root. Flesh bright orange, fine grained and sweet. This variety is especially desirable for soil so hard and stiff that longer rooted sorts would not thrive in it. When young, excellent for table use, and when mature equally good for stock. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

DANVERS. Grown largely on account of its great productiveness and adaptability to all classes of soil. Tops of medium size, coarsely divided. The smooth and handsome roots are deep orange, of medium length, tapering uniformly to a blunt point; flesh sweet, crisp, tender and of a deep orange color. Although the roots of this variety are short, they produce as large a bulk as the longer field sorts and are more easily harvested. Oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

CHANTENAY. (Coreless). Tops medium-sized; necks small; roots tapering slightly but uniformly stump-rooted and smooth. Color deep orange-red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any, is a heavy cropper and is undoubtedly one of the best for both the market and private garden, while its great productiveness makes it very desirable as a field sort. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.



Chantenay Carrot.

LONG ORANGE. The most popular for farm use on mellow soil. An improvement attained by years of careful selection of the best formed and deepest colored roots. Oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

WHITE BELGIAN. Grows one-third out of the ground. Root white, green above ground, with small top. Flesh rather coarse. The roots are large and it is extensively grown for stock feeding. Oz., 10c; lb., \$1.00.

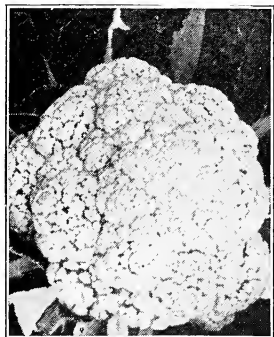
CAULIFLOWER

Blumenkohl (Ger.)

Cavolfiore (It.)

The Cauliflower delights in a rich soil and an abundance of water. Sow seed for an early summer crop in February or March in a hotbed. When plants are three or four inches high, transplant four inches apart in boxes or frames. In the middle of the spring or as soon as deemed prudent, the plants may be removed to open ground. Set plants from 2 to 2½ feet apart each way. For late Cauliflower sow the seed in a cool moist place about June 1st.

EARLY SNOWBALL. The most popular and profitable of the Cauliflower family. Heads of uniform size, snowy white, very tender, and owing to its attractive appearance a most desirable market variety. Seed grown in Denmark. Pkt., 25c; oz., \$2.00; $\frac{1}{4}$ lb., \$6.00.



Danish Giant Cauliflower.

DANISH GIANT or DRY-WEATHER. This strain of Snowball Cauliflower is especially valuable for high ground, as it is more vigorous than the Early Snowball, and stands dry weather better. The heads are a little larger than Snowball and mature a week or two later and have more leaves to protect them from sun and frost. Pkt., 25c; oz., \$2.00; $\frac{1}{4}$ lb., \$6.00.

CELERY

Sellerie (Ger.)

Sedano (It.)

Culture. Celery seed is slow to germinate, and ample time must be given. Sow thinly; cover lightly. Keep constantly moist. Count on about 7,500 plants per ounce of seed, or $\frac{1}{4}$ pound per acre. When the seedling plants are three inches high they should be clipped at the top, to favor stocky growth, or else transplanted. Celery is mostly grown under flat culture, without trenches, in rows 4 feet apart, 6 inches apart in row.

COLUMBIA. An exceptionally fine, early variety, is of medium height, but very stocky. Stalks are thick, almost round, are of a rich, yellow color, and its fine flavor and crispness will please the most critical. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.00.

GOLDEN SELF-BLANCHING. This is the very best celery for early use. It is in condition as early in the fall as any, and we have yet to find an extra early sort equal in quality and appearance to our stock of Golden Yellow Self-Blanching. Critical gardeners and consumers generally depend upon this variety to produce their best early celery. Plants of medium size, compact and stocky—with yellowish green foliage. As they mature the inner stems and leaves turn a beautiful golden yellow, so that blanching is effected at a small expense of time and labor. Oz., 75c; $\frac{1}{4}$ lb., \$2.50; lb., \$10.00.

SUTTON'S PINK PLUME. The finest of all celery for family use. Pkt., 10c; oz., 50c.

SUTTON'S SOLID WHITE. The finest eating celery known. Crisp, tender, sweet; once used, creates lasting friends. Pkt., 15c; oz., 75c.

Special Farm Tool Sale, read page 53.

CELERY—Continued

GOLDEN PLUME CELERY. A large early Celery of superfine quality and appearance. Large heavy stalks with a full, solid heart of golden yellow, easy to blanch, a good keeper, and always of the crisp, brittle and nutty quality so much desired. Shows a marked resistance to blight, so often affecting the early yellow strains. Pkt., 25c; $\frac{1}{2}$ oz., \$1.25; oz., \$2.25.

WONDERFUL. Authorities pronounce this the best golden self-blanching celery. Matures two to three weeks before any other and blanches in half the time required by others. Large, crisp, tender. No strings. Broad stalk, does not grow hollow, and all of it, including the foliage, is good eating. Marked resistance to blight and rust, earlier maturity, superior keeping qualities. It possesses a fine, nutlike flavor, and is handsome in appearance. We offer the raiser's original strain. Pkt., 25c; $\frac{1}{4}$ oz., 75c; oz., \$1.75; $\frac{1}{4}$ lb., \$2.50.

WHITE PLUME. A handsome very early sort. In great demand as a market celery, owing to its very attractive appearance. Requires a short time only for blanching. Leaves light green with tips almost white. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.50; lb., \$3.00.

EASY BLANCHING. A new variety of great merit. The habit is dwarf and compact, with light green foliage which has almost a yellowish hue. It is very easily blanched and might be termed a second-early variety, as it is ready for use to follow Golden Self-Blanching. Stalks pure white, heavy and crisp. Pkt., 10c; oz., 90c; $\frac{1}{4}$ lb., \$2.60.

WINTER QUEEN. This is without question the most valuable variety of celery for winter and spring use, even excelling the celebrated Perfection Heartwell as a winter keeper. It is thicker and heavier with double the heart of any celery. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.



Golden Yellow Self-Blanching Celery.

Celeriac

or German Celery

LARGE SMOOTH PRAGUE. The best of all with a large smooth root of splendid quality. Pkt., 10c; oz., 25c.

Chervil, Curled

Gartenkerbel

Treat like parsley. A valuable flavoring herb. Pkt., 10c; oz., 30c; lb., \$2.00.

Chicory

or French Endive

Cichorien-Wurzel (Ger.)

Cicoria Selvatica (It.)

WITLOOF. Sown in May and June in drills. Transplant or thin to 6 inches; treat as endive, and bank up like celery. The stalks, when blanched, make a delicious salad. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 75c.



White Plume Celery.

ASPARAGUS CHICORY, Italian Strain. Very popular with the Italian gardeners. Oz., 30c; lb., \$4.00.

Collards

Blaeterkohl (Ger.)

Culture. Same as late cabbage. May be grown directly in the seed rows, or transplanted 2 feet apart. Best after being touched by frost, which greatly improves flavor and tenderness.

CREOLE or SOUTHERN. Grows 2 to 3 ft. high, and forms bunches of tender delicate leaves slightly curled at edges. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

SWEET CORN

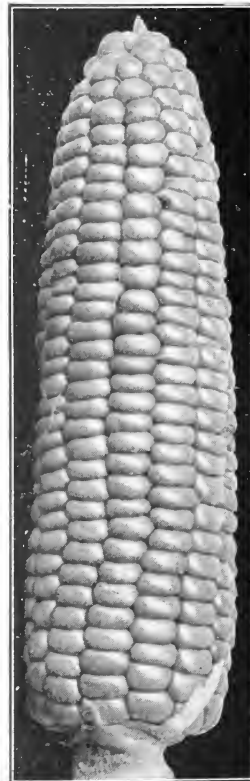
A rich, warm soil is best for sweet corn. If planted in hills, make the hills three feet apart each way, six kernels to the hill. Hoe frequently, and when six inches high leave three or four plants in the hill.

MAMMOTH WHITE CORY. We consider this the best extra early corn. Ears very large for so early a variety. Stalks about 4 feet high, each generally bearing two large, finely shaped ears, twelve-rowed, 6 to 7 inches long. 1 lb., 30c; 2 lbs., 60c; 100 lbs., \$20.00.

GOLDEN SUNSHINE or IMPROVED GOLDEN BANTAM. Golden Sunshine is one week earlier than the Early Golden Bantam Sweet Corn. This is the Yaeger South Dakota strain. Very fine. Unusually sweet and early 12 row. It's the market gardener's best crop for profit. Lb., 30c; 100 lbs., \$22.00.

GOLDEN BANTAM CORN (Rogers Strain). Ready for table use 65 to 70 days from planting. Stalk about 5 feet high. Fifty per cent of stalks will usually have 2 ears. Ears are longer than Golden Bantam. 12 to 16 rows but usually 14. Color a beautiful yellow, and a favorite among market gardeners. Lb., 35c; 100 lbs., \$20.00.

WHIPPLE'S EARLY YELLOW GOLDEN BANTAM. This is a wonderful early yellow corn, either for home or market use. The ears are very large, 8 to 9 inches long, have 12 to 14 rows of deep kernels. It is ready for use 3 or 4 days later than Golden Bantam and the ears are almost as large as Evergreen. The quality is excellent. Lb., 35c; 10 lbs., \$2.20; 100 lbs., \$20.00.



Golden Sunshine Sweet Corn.

SWEET CORN—Continued

GOLDEN GIANT. This is the largest of the yellow sugar varieties, the ears measuring up to 8 inches long. The cob is of small diameter, and contains 12 to 18 rows, extremely juicy and sweet. 1 lb., 35c; 2 lbs., 60c; 10 lbs., \$2.50; 100 lbs., \$20.00.

BLACK MEXICAN. This corn, when in condition for the table, cooks a bluish black. It is surpassed by none in tenderness and is a most desirable second early sort. Ears about 8 inches long, usually 8-rowed. 1 lb., 30c; 2 lbs., 50c; 10 lbs., \$2.40.

GOLDEN EVERGREEN SWEET CORN. New variety, extra fine, very sweet and tender, and keeps in eating condition longer than most sweet corns. Ten days to two weeks earlier than Stowell's Evergreen. A cross with Stowell's Evergreen and Sweet Orange, which is a second early, yellow, very tender and extra sweet variety. Golden Evergreen has a medium-sized ear and stalk, making it a desirable sweet corn for market gardeners. Originated a few years ago by Charles Coolidge, a market gardener of Ontario County, New York. Took first premium at the New York State Fair, in 1916 and 1917, only times exhibited. 1 lb., 35c; 2 lbs., 65c; 10 lbs., \$2.40.

EARLY EVERGREEN. We have tested many samples of Evergreen corn that were claimed to be earlier than Stowell's Evergreen and to be just as good, but we have never found any of them so valuable as the stock of this variety we offer. It has been proven both on our trial grounds and in the field to come into fit condition for use much earlier than Stowell's Evergreen and to remain in condition quite as long. Ears about 7 inches long, with 14 to 20 more or less irregular rows with very deep grain which is of the very best quality. Plants average from 6½ to 7 ft. high and in ear resemble those of Stowell's Evergreen, but differ in earliness and we think are more uniform. A standard main crop variety for home garden and market; also well adapted for canning. 1 lb., 35c; 2 lbs., 60c; 10 lbs., \$3.00.

STOWELL'S EVERGREEN. 1 lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50; 100 lbs., \$23.00.

COUNTRY GENTLEMAN. There is no sweet corn that compares with the Country Gentleman for sweetness. It is the variety par excellence where quality is desired. Market gardeners who make a specialty of growing for hotels and high class restaurant trade use this as a main crop in preference to any other. For home use it will be found superior and it is very productive. The fact that it is a favorite variety with canners proves its merit. 1 lb., 35c; 2 lbs., 60c; 10 lbs., \$3.00.

POP CORN

	Pkt.	½ lb.	1 lb.
Queen's Golden	\$0.10	\$0.20	\$0.30
Little Buster or Japanese Hullless .....	.10	.20	.30
Black .....	.10	.20	.30
White Rice .....	.10	.20	.30
T. N. T. or Dynamite .....	.10	.20	.30

CORN SALAD

Feldsalat (Ger.) **Valeriana (It.)**
Large round-leaved or small seeded. Oz., 15c; lb., \$1.50.

CRESS or PEPPER GRASS

Kresse (Ger.) **Agretto (It.)**

CRESS. Fine for salads. Garden curled. Oz., 15c; lb., 85c.

WATER CRESS, Dwarf. Fine curled, grows in shallow water. Pkt., 10c; oz., 45c; ¼ lb., \$1.25.

CUCUMBERS

Gurken (Ger.)

Cetriolo (It.)

Culture. Flourish best in a rich, warm, sandy loam. Sow when danger of frost is over in hills 4 or 5 feet each way. As the young plant has many enemies sow thickly half an inch deep, and thin out finally to 3 or 4 plants to the hill. Use 1 ounce of seed to 75 hills, 2 to 3 pounds to the acre. Gather cucumbers by cutting, not tearing. Leave none to ripen if you want a full crop.

EARLY CLUSTER. An early and very productive variety. Fruit small, thick at the end, dark green, but lighter at blossom end, borne in pairs or clusters and largely near the root. Used to some extent for pickles. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

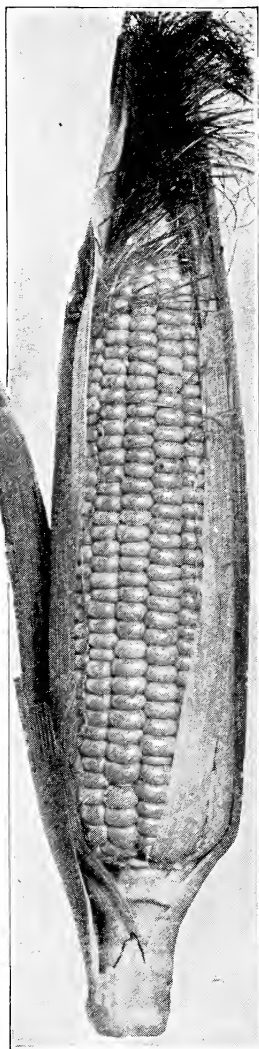
EARLY FORTUNE. Slightly longer than "Arlington White Spine," more cylindrical in shape, with very dark green skin and thick flesh, which is tender and crisp, making it especially good for slicing. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

WHITE SPINE IMPROVED or ARLINGTON. Great bearer; standard for out-doors. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.25.

DAVIS PERFECTION. A distinct variety of the hardy White Spine type. Fruit large, symmetrical, dark green and thickly set with fine spines. Very prolific, bears a long time. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

LONGFELLOW. A new and exceptionally fine long, very dark green white spine, resembling a hothouse cucumber even when grown out-of-doors. Fruits 12 to 14 inches long, solid and crisp, with few seeds; an excellent forcer. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$2.25.

LONG GREEN. Fruit from 10 to 12 inches long, dark green, very firm and crisp. It is used largely for slicing, but on account of its firmness and crispness is popular with some for pickling and is especially desirable, when mature, for sweet pickles. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.



Early Evergreen Corn.



Early Fortune Cucumber.

CUCUMBERS—Continued**BOSTON PICKLING.** A favorite for pickling.Medium size; smooth; light green; productive. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.**CHICAGO PICKLING.** This variety is preferred above all others by the largest pickling establishments in Chicago and elsewhere. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.**JAPANESE CLIMBING.** Vigorous grower, with strong, grasping tendrils which enable it to climb trellis netting or brush. Fruit of good size. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.**ROLLISON'S TELEGRAPH.** A standard greenhouse variety, English greenhouse grown stock. $\frac{1}{2}$ pkt., 30c; pkt., 50c.**SMALL GHERKIN.** A curious, rough little cucumber, used exclusively for pickling, for which purpose it is in high favor. Makes handsome pickle of first-class quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.Chicago
Pickling.**DANDELION****BROAD-LEAVED.** Extra selected with large broad leaves. An excellent and healthful salad plant. Pkt., 10c; oz., 75c; $\frac{1}{4}$ lb., \$2.00.**COMMON.** Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.00.**DILL****MAMMOTH.** An annual aromatic herb with warm pungent taste. Seeds are used for seasoning. Its largest use is for making Dill pickles. Two to three feet high. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.**EGGPLANT**

Eierpflanze (Ger.)

Petronciano (It.)

Culture. Plant the seed in March in a hotbed, or, for family use, in flower pots in a warm window. Transplant in open ground after weather has become warm and settled, in rows 2 feet apart each way. Require rich soil.**BLACK BEAUTY.** Considered the earliest of the large fruited varieties.

Color, a rich purple. Pkt., 10c; oz., 50c; 4 ozs., \$1.50.

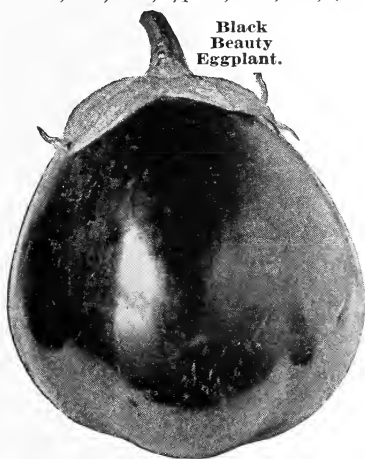
NEW YORK IMPROVED PURPLE. Surpassing all in size of fruit. Standard market sort. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.40.**ENDIVE**

Endivien (Ger.)

Endivia (It.)

"Escarolle"

Broad Leaf

Culture. Sow as soon as the ground can be worked, in drills 15 inches apart, and thin plants to 6 to 8 inches in a row. To blanch the leaves, gather them carefully together when perfectly dry, and tie with matting or any soft fibrous material. The leaves are very highly esteemed for use as salads. One ounce will sow 150 feet of drill.**LONDON GREEN CURLED.** A standard sort. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.**WHITE CURLED.** A beautiful variety, with leaves as finely curled or mossed as the preceding, but of an attractive light green color. Blanches easily and has a most delicious and crisp flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.**BROAD-LEAVED BATAVIAN.** A large summer variety. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.50.Black
Beauty
Eggplant.**FENNEL.** Sweet. See Herbs.**GARLIC.** (Knoblauch, Ger.) (Agilo, It.) Sets, lb., 60c.**HERBS**

Aromatic, medicinal and pot herbs. See page 32.

HORSERADISH

Roots, per doz., 40c; \$1.50 per 100; \$10.00 per 1000.

KALE or BORECOLE

Blaetterkohl (Ger.)

Cavolo rapa (It.)

Sow in May and transplant in June, and treat generally as for cabbage.

DWARF CURLED SCOTCH. A standard variety. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.**TALL GREEN CURLED.** Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c.**KOHL-RABI**

Knollkohl (Ger.)

Cavolo rapa (It.)

White, above ground. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c.Purple, above ground. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c.**LEEK**

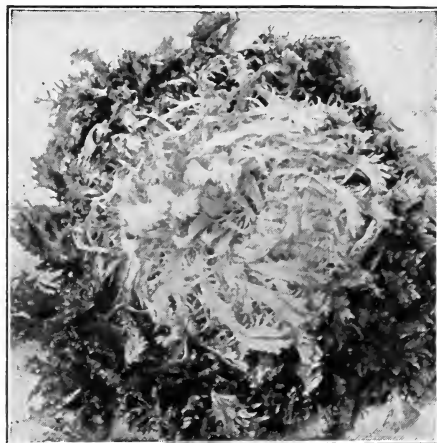
Lauch-Porree (Ger.)

Porro (It.)

AMERICAN FLAG. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.**LETTUCE—Curled Sorts**

Kopfsalat (Ger.)

Lohuga (It.)

Culture. Lettuce thrives on nearly all soils, but because the growth should at all times be rapid to insure crispness and best flavor, the soil should be heavily enriched and well worked before planting. Lettuce being quite hardy, sow as soon as ground can be fitted.**SIMPSON EARLY CURLED.** White Seeded. A very extensively used early loose-leaved or clustering variety. Leaves light green, slightly frilled and much blistered. Crisp, sweet and tender. Especially adapted for thick sowing. Very fine for poultry feeding. Pkt., 10c; oz., 15c; lb., \$1.75.

White Curled Endive.

LETTUCE—Continued

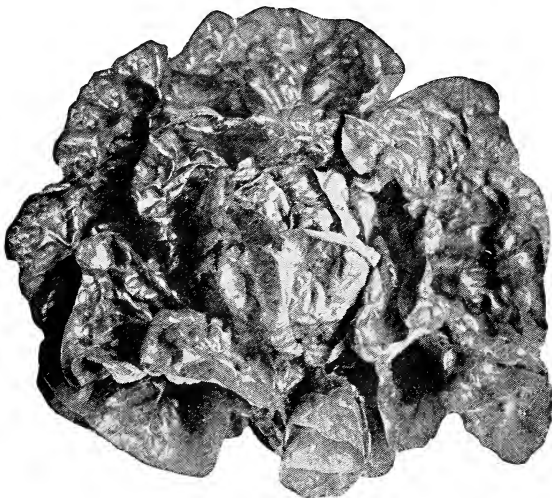
GRAND RAPIDS. Black Seed. As a greenhouse forcing lettuce this stands at the head of the list. Quick growing, very hardy—not liable to rot. The plant is upright, forms a loose cluster of large thin bright green leaves, savoyed, finely crumpled at the edges. Very attractive and desirable for garnishing. Pkt., 10c; oz., 20c; lb., \$1.75.

ONONDAGA. This remarkable variety was introduced by us many years ago. A splendid greenhouse sort, slightly fringed, forming a semi-head, a wonderful shipping and keeping variety, green under glass and of slightly reddish cast when grown in the open. Tender, crisp. Pkt., 10c; oz., 20c; lb., \$2.00.

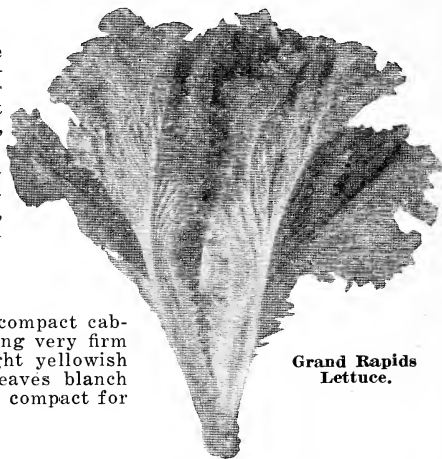
Cabbage or Heading Varieties

MAY KING. Seed White. This is a handsome, extremely early, compact cabbage or heading variety for the home garden and market, forming very firm heads of medium size and excellent quality. The color is light yellowish green, tinged with reddish brown when mature. The inner leaves blanch rich golden yellow, very tender and buttery. The plant is very compact for so large a head. Pkt., 10c; oz., 15c; lb., \$1.50.

BIG BOSTON. This market variety is very popular for outdoor culture and is also in demand as a compact, large heading, forcing sort for cold frames. The plants are large, very hardy and vigorous. The leaves are broad, comparatively smooth but wavy at the edge, very hardy and vigorous. Thin, very hard and crisp. In color bright light green, the head slightly tinged with reddish brown. The inner leaves blanch to an attractive greenish white, tinged with light yellow. Pkt., 10c; oz., 20c; lb., \$1.50.



Hanson Head Lettuce.



Grand Rapids Lettuce.

UNRIVALED. Same as Big Boston, but smaller and earlier. Pkt., 10c; oz., 15c; lb., \$1.50.

HANSON HEAD. Seed White. A very desirable late summer lettuce. The plant is compact and forms a cabbage-like head which remains in condition longer than summer-head sorts. Outer leaves bright, yellowish green and broad. Inner leaves white, crisp and sweet. Pkt., 10c; oz., 15c; lb., \$1.50.

ICEBERG or NEW YORK HEAD. Curled or crisp as iceberg, dark green heads somewhat conical. Pkt., 10c; oz., 15c; lb., \$1.75.

ROMAINE or WHITE COS. This Lettuce differs in shape from other sorts, the head being elongated and of conical form, about 9 inches in height and about 6 inches in diameter. Outer coloring yellow-green. Pkt., 10c; oz., 20c; lb., \$1.75.

CHICKEN LETTUCE. Does not make a head but sends up a stout stalk 3 to 4 feet high. Just loaded with leaves. When once cut it starts to grow again. A great chicken feed. Pkt., 10c; oz., 20c; lb., \$2.00.

MUSKMELON

Melone (Ger.) Popone (It.)

The Muskmelon succeeds best in warm, rich soil. While both plant food and humus are necessary to all plants, all vines require an extra amount. Manure contains both, while rotted turf and commercial fertilizer combined supply both. If manure is used it should be well rotted, finely pulverized and evenly distributed through the soil.

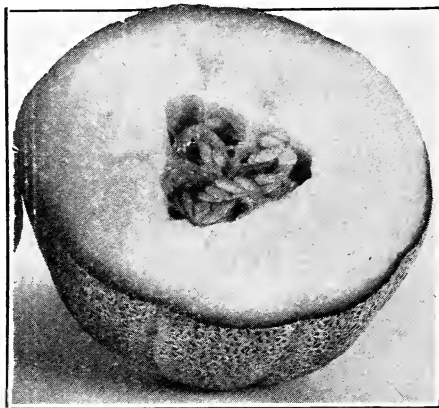
GOLDEN CHAMPLAIN, New Melon. Of good size, tough rind, very thick flesh, and small seed cavity. Color is gray from the netting, underlaid with dark green. Flesh a rich golden color, very tender, juicy and sweet, fine grained and free from stringiness, delicious clear to the rind. Pkt., 10c; oz., 30c; ¼ lb., \$1.09; lb., \$3.00.

HEARTS OF GOLD or IMPROVED HOODOO. Melons of medium size, round and distinctly ribbed, and present a fine, attractive appearance. The rind and flesh are very firm, the skin thickly netted, and flesh a rich, deep orange of sweet and spicy flavor. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

BENDER'S SURPRISE. A fine variety of exceptional merit. The fruits are round and deeply ribbed and finely netted. Salmon-fleshed, thick meated, delicious in flavor. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

EMERALD GEM. A splendid early variety, coming in just ahead of Rocky Ford. Fruits deep emerald green in color, globular or slightly flattened, irregularly and distinctly ribbed and lightly netted. Flesh very thick, sweet and of a deep, rich salmon-yellow, having an exceedingly small seed cavity. One of the best melons for the home garden and local market, but not a shipper. Pkt., 10c; oz., 15c; lb., \$1.50.

EXTRA EARLY HACKENSACK. Fruit of good size, nearly round. Flesh green, a little coarse, but very juicy and sweet, and of good flavor. Vine very productive. Pkt., 10c; oz., 15c; lb., \$1.50.



Hearts of Gold Muskmelon.

MILLER'S CREAM or OSAGE. Larger than Emerald Gem. Nearly round in form, but having the same distinct dark green skin with lighter bands between the ribs, and thick, firm, orange flesh of fine quality. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

ROCKY FORD, RUST-RESISTING. Like Netted Gem. More largely grown than any other of the small or basket melons and shipped in enormous quantities from Colorado and Arizona. Fruit oval, slightly ribbed, densely covered with fine netting. Flesh green, thick, very sweet and of rich flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

HONEY DEW MELON. "Sweetest Melon Ever Grown." The rind is a dull white when ripe. Part of the melon shows a slight check in the rind like a tendency to net. The size runs from 6 to 7 inches in diameter from top to bottom, and 8 inches in length. The matured melons are practically all of the same shape and size. Flesh is a light green and is almost honey sweet. This melon will keep several weeks. This is one of the best market melons known. Vines vigorous, and produce 6 to 10 fine melons to the hill. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

WATERMELON

Melone (Ger.)

Popone (It.)

SWEET HEART. Introduced in 1894 and is very popular as a shipping melon, particularly in the South. Vine vigorous and very productive, ripening its fruit evenly. Fruit of largest size, oval, very heavy, rind thin but firm; color very light green, very slightly veined with a little darker shade. Flesh bright red, firm but very tender and sweet. Fruit remains in good condition a long time after ripening. Seed black. Our stock will be found very uniform in shape, size and color. Pkt., 10c; oz., 15c; lb., \$1.00.

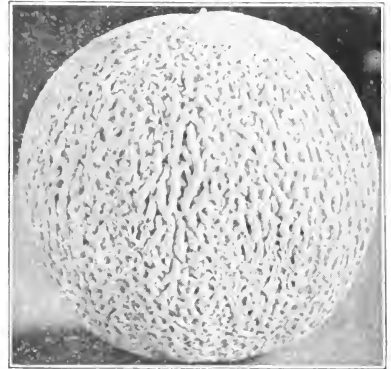
COLE'S EARLY. An early, oval-shaped variety. Large heart, flesh of fine texture and good flavor. It grows to a medium size, and the skin is green with light stripes. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

HARRIS' EARLIEST. This excellent watermelon grows rather large for an early variety, slightly oval in shape, skin mottled light and dark green. It is uniform in size and shape. The flesh is solid, bright red, very tender and sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

FORDHOOK EARLY. Fordhook Early Watermelon will ripen in sections too cool to grow a good crop of any other watermelon. There is no other melon of such large size which can make this claim. We would suggest that you make a trial of Fordhook Early. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

MUSHROOM SPAWN

Large, vigorous and finely flavored mushrooms, either French or English. Brick, about $1\frac{1}{4}$ lbs., 75c.



Rocky Ford Muskmelon.

MUSTARD

WHITE ENGLISH. Leaves comparatively small and smooth, deeply cut or divided and of medium dark green color. Plant upright, of rapid growth and soon bolts to seed. Leaves, when young, are mild and tender. Pkt., 10c; oz., 15c; lb., 60c.

SOUTHERN GIANT CURLED. Leaves large, light green with tinge of yellow, much crimped and frilled at edges. Plant upright or slightly spreading in growth. Pkt., 10c; oz., 15c; lb., 75c.

NASTURTIUM - See Flower Seeds

TALL MIXED GARDEN. Sometimes called Indian Cress. Grown not only for ornament but the beautiful orange-colored flowers and foliage are used for garnishing and the young leaves or shoots are excellent for salads. The green seed pods are greatly esteemed by many for use in mixed pickles. Sow early in spring, preferably in rather light soil, in rows 3 feet apart and 2 inches apart in the row, covering 1 inch deep. When the young plants are about 4 inches high, thin to 6 inches apart in the row. Oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

BWART NASTURTIUM, Mixed. Oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

OKRA or GUMBO

The young seed pods are used in soups, stews, catsups, etc. Highly esteemed in the South. After danger of frost is past, the ground being warm and in good condition, plant in rows about two and one-half feet apart, covering with about an inch of fine soil.

WHITE VELVET. Plant is about $3\frac{1}{2}$ feet high, early maturing and very productive. Pods white, long, smooth and are tender until nearly full sized. Pkt., 10c; oz., 15c; lb., 75c.

ONIONS

Zwibel (Ger.)

Cipolio (It.)

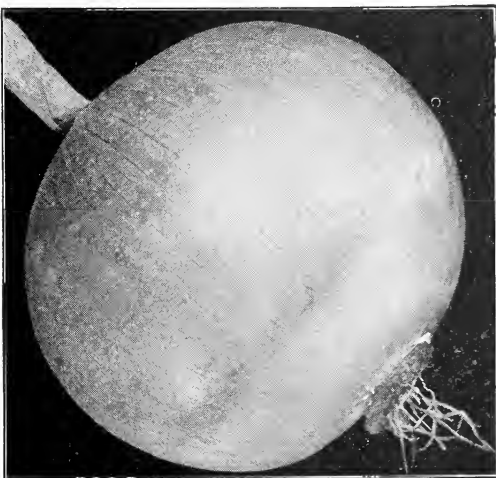
PRIZETAKER. Grows to an immense size and for fall marketing is unexcelled. Although of such great size, it is very hardy and a fair winter keeper, as it ripens up hard and firm; very fine grained, and of mild, delicate flavor. The outside skin is rich yellow while the flesh is white. Pkt., 10c; oz., 25c; lb., \$2.25.

SOUTHPORT WHITE GLOBE. This grows to a very large size and is a perfectly globe-shaped onion. Color is a clear pure white. This variety is used by the market gardeners for bunching. Pkt., 10c; oz., 30c; lb., \$2.75.

EARLY FLAT YELLOW DANVERS. A good variety, but not as round or quite as early as the Yellow Globe Danvers. Very productive. Oz., 20c; lb., \$2.00.

SOUTHPORT YELLOW GLOBE. A large, perfectly shaped Globe onion and an excellent onion for keeping throughout the winter. A very heavy cropper, handsome in appearance and good dark yellow color. Pkt., 10c; oz., 25c; lb., \$2.00.

Special Cash Discount to Market Gardeners
Read page 53 for Farm Tool Bargains



Yellow Globe Danvers Onion.

ONIONS—Continued

YELLOW GLOBE DANVERS. This fine onion is of large size, an early and abundant cropper. Bulbs very thick, flat or slightly convex bottoms, full oval top with small neck and rich brownish yellow skin. Pkt., 10c; oz., 25c; lb., \$2.00.

EBENEZER or "JAPANESE." The onions are not unlike Yellow Globe Danvers in shape and size, but are superior in flavor and keep longer. They are firm, solid, have a thin skin, and are agreeably mild. Also planted extensively to produce small sets for the following season. Pkt., 10c; oz., 25c; lb., \$2.25.

SOUTHPORT RED GLOBE. This is a fine keeper. Large size and considered one of the best red onions. Flesh is fine grained, very mild and tender. Pkt., 10c; oz., 25c; lb., \$2.25.

WHITE PORTUGAL. (American Silverskin). This is the best sort to sow—for onion sets or for pickling. When sown thickly for either it makes a small, round, hard bulb. Pkt., 10c; oz., 30c; lb., \$2.50.

AILSA CRAIG. A handsome globular variety, growing to an enormous size, with pale yellow skin,

flesh white, a good keeper and valuable for exhibition purposes. Very fine for home gardens. Pkt., 10c; oz., 25c; lb., \$3.00.

LARGE RED WETHERSFIELD. We have a very fine and select strain of this sort. Color is deep purplish red, flesh white, moderately grained and very firm. Yields an enormous amount per acre, and is one of the best winter keeping onions. Pkt., 10c; oz., 25c; lb., \$2.25.

Onion Sets

BROWN BOTTOM SETS. Treated precisely as top onions are, setting them out in the spring instead of sowing seed. Qt., 30c; bu., \$4.00.

YELLOW BOTTOM SETS. Like the preceding except in color and used in the same manner. Qt., 40c; bu., \$4.00.

WHITE BOTTOM SETS. These do not keep as well as the brown and yellow, but produce beautiful white onions early in the season. Qt., 30c; bu., \$4.00.

Prices of all onion sets are subject to fluctuations of the market throughout the season, or as long as our stock lasts.

PARSLEY

Petersille (Ger.)

Prezzemolo (It.)

Culture. Sow seeds in shallow drills in the early spring for border, or in rows 12 to 13 inches apart, care being taken that the drills be not more than one-half inch in depth, and that the seed be well pressed down after sowing, as the seed germinates very slowly, 3 to 5 weeks elapsing sometimes before it makes its appearance. Use one ounce to 150 feet of drill, three pounds to an acre. Cultivate frequently.

PLAIN PARSLEY. The leaves of this variety are flat, deeply cut but not curled. Very desirable for flavoring soups and stews and for drying. It is a favorite on account of its very dark green leaves, as well as its hardness. The curled sorts are very extensively used for garnishing. Pkt., 10c; oz., 15c; lb., \$1.50.

CHAMPION MOSS CURLED. This is a vigorous, compact growing variety, excellent for garnishing and flavoring. A handsome decorative plant. Leaves very finely cut and so closely crisped or curled as to resemble bunches of moss. Fine deep green color and very attractive foliage. Pkt., 10c; oz., 15c; lb., \$1.50.

PARSNIPS

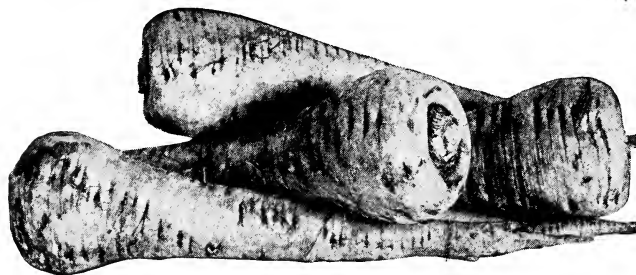
Pastinake (Ger.)

Pastinaca (It.)

Culture. Sow in early spring, in rows 2 to 3 ft. apart, thin to 4 or 6 inches in the row. One ounce of seed will sow 200 feet of drill, four to five pounds per acre in drills 2½ feet apart. Cover the seed one-half inch. Use rotted manure and fertilizer. Parsnips may be left in the ground all winter.

IMPROVED HOLLOW CROWN. This really is the greatest old-time favorite among the parsnips and has a host of friends which it will never lose. It is very smooth, white, with a very thick shoulder and tapering down to a graceful point. One of the best known, none better. Pkt., 10c; oz., 15c; lb., 90c.

GUERNSEY. (Same as Hollow Crown). Greatly improved strain. The roots do not grow as long as the Hollow Crown, but are of greater diameter and very easily gathered. A very heavy cropper. Roots very smooth. Flesh fine grained and of excellent quality. Pkt., 10c; oz., 15c; lb., \$1.00.



Improved Hollow Crown Parsnip.



Champion Moss Curled Parsley.

PEAS

Erbsen (Ger.)

Piselli (It.)

For early peas the soil should be light and warm, but for general crop a moderately heavy soil is better. Fresh manure and very rich or wet mucky soil should be avoided, as they cause a rank growth of vine at the cost of the quality of the peas. Such soil is often the cause of early sorts maturing unevenly. Sow as early as possible a few of some early variety on warm, quick soil, prepared the fall before, planting in double rows 6 to 8 inches apart and 2½ to 4 feet between the double rows.

EARLIEST OF ALL or ALASKA. Medium sized, bright green peas of good flavor. Vines medium height, 2½ to 3 feet, and of distinctive light color. Pods about 2½ to 2¾ inches long. Matures all the crop at once. Lb., 30c; 2 lbs., 55c; 10 lbs., \$2.00; 100 lbs., \$17.00.

MAMMOTH PODDED EXTRA EARLY. Matures practically with Extra Early and Alaska and is much more productive. Vine and foliage robust, heavy and deep green. Height 3 feet. Pods dark green, 4 inches long, round, broad, saddle-backed and square ended, containing 7 extra large light green peas. A very productive and extra fine sort, especially for market gardener's first early pea. Lb., 35c; 10 lbs., \$2.50; 100 lbs., \$24.00.

PEAS—Continued

AMERICAN WONDER. Vigorous and productive vines, with a luxuriant foliage, and producing the leaves on one side of the stock, growing from 9 to 12 inches high. On account of its dwarf habit of growth it is very desirable for private garden use. Pods are light colored, straight, round, about 2½ inches long and blunt at the end. Fit for picking 75 days after planting. Seed is wrinkled, green, medium sized and square at the end. Lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25; 100 lbs., \$18.00.

NOTT'S EXCELSIOR. Resembling Gems in habit, but more dwarf and uniform in growth. Height 12 to 17 inches, with rather light foliage. Pods are light in color, round, about 2½ inches long, blunt at the ends. Fit for picking 75 days from planting. Seed green, wrinkled, medium sized and square at the ends. Lb., 30c; 2 lbs., 50c; 10 lbs., \$2.25.

HUNDREDFOLD. A very fine, large podded, dwarf, extra early Pea, and one which we can with confidence recommend. It matures in from 60 to 63 days, and as its name implies, it bears an enormous crop of dark green pods containing 7 to 8 large peas of very tender quality and fine flavor. The vines grow only to a height of 14 or 16 inches and are easily handled. Lb., 35c; 2 lbs., 65c; 10 lbs., \$3.00.

LITTLE MARVEL. Vines dwarf, average 15 inches, and are heavily set with fine pods, frequently borne in pairs. The pods average 2½ inches in length, are square at the bottom and well filled with 6 to 7 quite large, deep green peas. Lb., 35c; 2 lbs., 60c; 10 lbs., \$2.50; 100 lbs., \$22.00.

PREMIUM GEM. Desirable, early, green, wrinkled, dwarf variety similar to but better than McLean's Little Gem. The vine is very productive and grows to a height of from 15 to 18 inches. The pods are of medium size and crowded with 6 to 8 very large peas of fine quality. The seed is green, large, wrinkled, often flattened. Lb., 30c; 2 lbs., 55c; 10 lbs., \$2.25; 100 lbs., \$17.00.

GRADUS. A very early, wrinkled pea. Vine of medium height, about 3 to 3½ feet. The pods are very large, about 4¼ inches long, uniformly well shaped. Peas very large, of splendid quality and beautiful light green color which they retain after cooking. Lb., 30c; 10 lbs., \$2.50; 100 lbs., \$20.00.

THOMAS LAXTON. A very early, wrinkled variety of great merit. Vine vigorous, of medium height, about 3 feet, similar to that of Gradus, but darker in color, harder and more productive. Pods large, often 4 inches long, with square ends, similar to but larger, longer and darker than those of Champion of England and as uniformly well filled. The green peas are very large, of fine deep color and unsurpassed in quality. Lb., 35c; 2 lbs., 60c; 10 lbs., \$2.50; 100 lbs., \$20.00.

Second Early Varieties

ALDERMAN. This comparatively new pea is in many respects the very best early main crop variety of the valuable Telephone type. The vines are tall growing, about 4½ to 5 feet high, dark green, vigorous and exceedingly productive. Pods of largest size, often 5 to 5½ inches long, dark green. The peas are of largest size and unsurpassed in quality. We recommend it unreservedly. Lb., 30c; 2 lbs., 50c; 10 lbs., \$2.25; 100 lbs., \$18.00.

TELEPHONE. Vines tall and vigorous, growing about 4 feet high, with large, coarse, light colored leaves and producing an abundance of pointed pods of largest size, often 4½ to 5 inches long, attractive bright green, filled with very large peas which are tender, sweet and of excellent flavor. It comes into use soon after the Premium Gem and is one of the best sorts for either home or market. Lb., 30c; 2 lbs., 55c; 100 lbs., \$18.00.

DUKE OF ALBANY. A most valuable variety of the Telephone type; remarkably hardy in growth, producing dark green pods of large size, well filled with extra large sweet peas. The vines grow 3 feet in height and are very productive. Lb., 30c; 2 lbs., 55c; 100 lbs., \$18.00.

Later Varieties

IMPROVED STRATAGEM. One of the best of the large podded, semi-dwarf main crop varieties. The vines are very sturdy, about 2 to 2½ feet high, with medium dark green foliage. The pods are very large, often 4¼ to 4½ inches long, pointed, dark green, and uniformly filled with very large, dark green peas of the finest quality. Pkt., 10c; lb., 35c; 2 lbs., 60c, postpaid. 100 lbs., \$19.00.

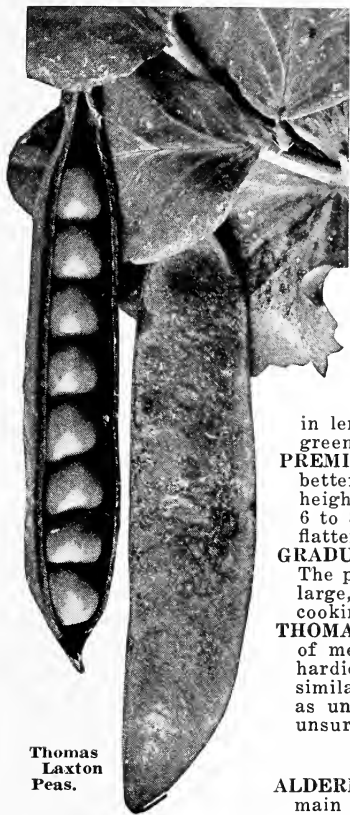
CHAMPION OF ENGLAND. A very productive variety universally admitted to be one of the richest and best flavored of the late peas. The vines are 4 to 5 feet high. The seed is light green and much shriveled. Very inferior and mixed stocks of this sort are frequently offered, but when the seed is as well grown and selected as that which we offer we consider the variety equal in quality to any in cultivation and one of the best of its season, either for the home garden or market gardener. Lb., 30c; 2 lbs., 55c; 10 lbs., \$2.00.

MELTING SUGAR. Edible pods. There is a class of peas not generally known in this country but much used abroad in which the sweet, brittle and succulent pods have none of the tough, inner lining found in the ordinary varieties of garden peas. They are used in the same way as snap or string beans. Lb., 35c; 2 lbs., 60c.

TO PREVENT DAMAGE FROM PEA LOUSE. Sow a strip of turnip seed about 5 feet wide around the field of peas, which will attract the pea louse, and will feed upon the turnip instead of the peas; thus preventing the destruction of the crop. Sow early turnips with Early Peas and late turnips with Late Peas. This has been given to us by an expert grower who claims it to be a sure remedy.

Prices Subject to Change Without Notice

Big Sale in Farm Tools and Machinery, see page 53.



Thomas
Laxton
Peas.



Telephone Peas.

PEPPER

Pfeffer (Ger.)

Peperone (It.)

Peppers are most largely used for seasoning meat and vegetable dishes; also for making chow chow and chili sauce. The culture is the same as for eggplant and the plants need quite as much heat to perfect them. Sow seed early in hotbed, or about middle of spring in open seed bed, the soil being light and warm. When 3 inches high transplant in rows about 2½ feet apart and 2 feet apart in the row.

WORLD BEATER. This is the finest large pepper yet introduced. A cross between Chinese Giant and Ruby King, as early as Ruby King and similar in shape, but broader at blossom end. Almost the size of Chinese Giant and far more prolific, some plants producing as many as 24 marketable peppers. Exceptionally mild, can be eaten raw without fear of burning. Color of fruit green at first, turning to a beautiful shade of scarlet. Flesh thick, which enables it to hold up a long time and makes it an excellent shipper. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

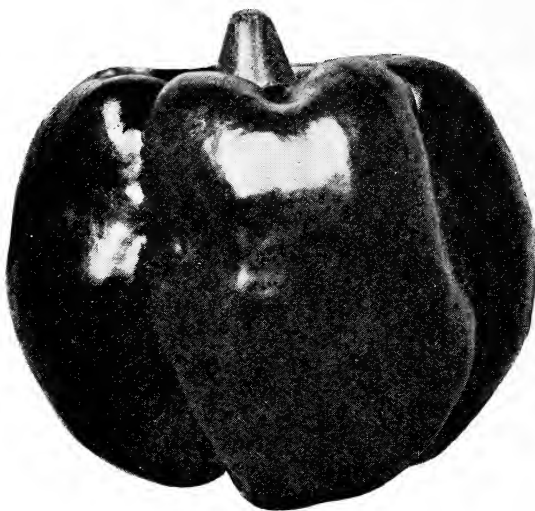
CRIMSON GIANT. The earliest maturing of the extremely large, red sweet peppers and surpassed by none in evenness of size and shape. The plant is vigorous, 2½ to 3 feet high. The fruits are of the largest size, ripen earlier than any of the other very large sorts. Color deep green when young, deep crimson when matured; flavor very mild. Oz., 60c; ¼ lb., \$1.75.

PEPPER-TOMATO. A wonderful new creation among vegetables. See picture and description on page 33. Pkt., 25c.

LARGE EARLY NEAPOLITAN. Decidedly the earliest of all large, mild, red peppers and the most productive of all large peppers. The fruit measures 4 inches long and 4½ inches in circumference. The strong, vigorous plants grow 2 feet high by 18 inches across. They are heavily laden with large handsome fruit and bear continuously until frost. Single plants carry from 35 to 50 marketable fruits at one time. Skin and flesh bright red; mild as an apple. Pkt., 10c; oz., 40c; ½ lb., \$2.00.

LONG RED CAYENNE. A well known medium early variety having a slender, twisted and pointed pod about 4 inches long. Color deep green when fruit is young, bright red when ripe. Extremely strong and pungent flesh. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

LARGE BELL or BULL NOSE. Our stock of this well known variety, sometimes called Sweet Mountain, is very superior. Plant vigorous, about 2 feet high, compact and very productive, ripening its crop uniformly and early. The fruits are large, with thick, mild flesh of excellent quality for use in salads and mangoes or stuffed peppers. The color is deep green when fruit is young, bright crimson when ripe. Slightly pungent. Oz., 40c; ¼ lb., \$1.25.



Chinese Giant Pepper.

RUBY KING. An improved American variety, very large and attractive. The plant is about 2½ feet high, vigorous, compact and productive. The fruits are often 4 to 4½ inches long and of deep green color when young, bright red when ripe. The flesh is thick and mild flavored. One of the best varieties for mangoes or stuffed pepper. Pkt., 10c; oz., 50c; ¼ lb., \$1.00.

CHINESE GIANT. Plant dwarf, fruit of mammoth size, very broad, yet rather short. It is very late and a rather shy yielder. Popular on account of its large size and mild flavor. Our stock is pure and is as good as can be obtained. Pkt., 10c; oz., 60c; ¼ lb., \$1.75.

PIMIENTO PEPPER. The sweetest pepper grown, as it does not contain the slightest trace of fieriness. The plants are productive and peppers medium size and of a shape which is desirable for stuffing, prepared in which manner they are delicious. It may also be used in salads and for flavoring. Pkt., 10c; oz., 40c; ¼ lb., \$1.00.

GOLDEN QUEEN. Of all the yellow-fruited peppers, Golden Queen is the largest, most productive and finest. The fruit is quite large, unusually meaty, and strictly mild. Rich and glossy golden yellow skin. Our strain of this fine yellow pepper is particularly fine. Pkt., 10c; oz., 40c; ¼ lb., \$1.50.

POTATOES

Kartoffel (Ger.)

Patate (It.)

Plant beans in potato hills. Will keep off the bugs and make a crop of beans.

EARLY OHIO. "True to Name" Red River Valley Early Ohio Seed Potatoes, the earliest of all and "The King of the Earlies." Bu., \$3.25.

IRISH COBBLER. The best early white Potato grown. Tubers are smooth, round, plump and handsome. Flesh is white and of splendid quality. Bu., \$3.25.

TRUE EARLY ROSE. The Early Rose is the old standard early potato; rosy bluish skin, white flesh; early, productive, and of excellent flavor. Bu., \$3.25.

LATE RUSSET. Most vigorous grower and an immense yielder. Bug proof and blight proof. Has russet skin; flesh white as snow. Fine cooker. The most valuable late sort on the market. Bu., \$3.25.

CARMAN NO. 3. Another large, round, white, main crop Potato. Tubers very large; eyes shallow and few in number, and it is an immense yielder. Bu., \$3.25.

PUMPKIN SEEDS

Melonen-Kuerbiss (Ger.) Zucca (It.)

CONNECTICUT FIELD. Per oz., 10c; lb., 65c.

SMALL SUGAR PIE PUMPKIN. Fine for table. Pkt., 10c; oz., 15c; lb., \$1.25.

WINTER LUXURY. Fine table. Pkt., 10c; oz., 15c; lb., \$1.00.

QUAKER PIE. Pkt., 10c; oz., 15c; lb., \$1.00.



Onondaga Radish.

RADISH

Radies (Ger.)

Ravanello (It.)

Being a root crop, good brittle radishes require light, well-worked soil, made very rich and mellow. They are easy to grow and frequent plantings will insure a constant supply for the table. Summer varieties can be sown all spring and well into summer. Winter varieties should be planted in August and September.

THE ONONDAGA. The perfect radish—an early scarlet globe, forcing and outdoor variety. This very fine and improved type of bright scarlet Globe Radish will prove a splendid addition to our line of radishes. It is equal to the best of the Early Forcing Globe type, but a much better yielder, producing practically 100 per cent perfect radishes. This is the reason why it appeals to the market gardener. It is the best money maker of all the scarlet radishes listed in recent years. Pkt., 10c; oz., 15c; lb., \$1.00.

SCARLET GLOBE. This grand radish has established a reputation as a forcing sort. Its peculiarity is that it will bear the heat requisite for forcing without becoming pithy or suffering injury to its flavor. Its color is a rich scarlet. It has a small top and is a high bred radish. Pkt., 10c; oz., 15c; lb., 90c.

SAXA. The gardener's favorite. Earliest round bright scarlet. The earliest of the forcing radishes, and one of the slowest to shoot to seed. Round, bright scarlet and with the smallest possible top. We have an excellent stock of this radish and can highly recommend it. Oz., 15c; lb., \$1.25.

FRENCH BREAKFAST. Olive shaped. A popular variety for market for forcing. It is about 2 inches long and decidedly stump-rooted. Color, bright rose with bottom of root and the tail pure white. Pkt., 10c; oz., 15c; lb., \$1.00.

BRIGHTEST LONG SCARLET. A very showy, long variety, is thick at the shoulder and tapering. Bright rose-scarlet with distinct white top. Oz., 15c; lb., \$1.00.

WHITE VIENNA or LADY FINGER VARIETY. A handsome white variety, about 5 inches long, with sloping top and pointed root. Quick growing, brittle, and mild snappy flavor. Pkt., 10c; oz., 15c; lb., \$1.00.

WHITE STRASBURG. A white radish, of large size, good quality, and ability to resist severe heat. It will grow solid, with good flavor, when others fail. Pkt., 10c; oz., 15c; lb., \$1.00.

Winter Radishes

GIANT STUTTGART. This mammoth white radish is the largest of the turnip-shaped sorts. It has solid, crisp, pungent flesh, and is highly prized by people demanding a radish of high flavor. Both skin and flesh are pure white. Pkt., 10c; oz., 15c; lb., \$1.00.

CHINESE WHITE WINTER or CELESTIAL (or California Mammoth White Winter). The well known and popular winter variety. Clear white, about 4 inches long and half stump-rooted. Pkt., 10c; oz., 15c; lb., \$1.25.

CHINESE ROSE WINTER. A bright scarlet winter variety. About 4 inches long and stump-rooted. Matures 2 or 3 weeks earlier than the Chinese White Winter and like it is firm and crisp and does not grow pithy until it runs to seed. Pkt., 10c; oz., 15c; lb., \$1.00.

ROUND BLACK SPANISH. A winter variety, with black skin and white flesh. It is top-shaped or almost globular. Pkt., 10c; oz., 15c; lb., \$1.00.

RHUBARB

Rhabarber (Ger.)

Rabarbara (It.)

Victoria. A good market sort, with beautiful red stalks. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50. Roots, price each, 15c; 2 for 25c; doz., \$1.50.

SAGE

A hardy perennial shrub, with whitish green, oval, and very much wrinkled leaves, which have a pleasant smell and which are used for seasoning. It is easily grown and the seed can be sown almost any time. Oz., 30c; ¼ lb., 90c.



French Breakfast Radish.

SALSIFY or Vegetable Oyster

Haferwurz (Ger.) Sassefrica (It.)

Culture. Sow early and deeper than parsnip, otherwise culture is the same. Roots, if desired, may be left in the ground through the winter, but dug early in the spring.

MAMMOTH SANDWICH ISLAND. Larger, of stronger growth, and less liable to grow prongy than the old Long White. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.25.

SPINACH

Spinat (Ger.)

Spinace (It.)

KING OF DENMARK. Also known as "Antvorskov." This new variety is undoubtedly the most valuable introduction of spinach in recent years. Although the plants are ready for use almost as soon as the medium early sorts they remain in good condition from a week to two weeks after all other varieties have gone to seed. The plants are of rapid growth, resemble the Long Season in type but leaves are more crumpled or blistered and are of darker green color. The leaves are thick, stand well after cutting and are of good quality. We believe this variety will in a few years be one of the leading sorts as its distinctive qualities are sure to win favor for it from both the home and market gardener. Oz., 15c; lb., 50c.

LONG STANDING, Prickly. A deep green variety with rather elongated smooth leaves. Seed, round. Stands a long time without running to seed. Oz., 10c; lb., 50c.

VICTORIA. A long-standing variety with round, slightly savoyed leaves. Deep green and hardy. Forms good, edible leaves early and continues to produce leaves for a long period. Oz., 10c; lb., 50c.

BLOOMSDALE SAVOY. The variety most generally used in the East, and especially throughout the South for shipping. Leaves large, round and thick, very much savoyed and rich deep green. One of the earliest varieties. Seed round. Oz., 10c; lb., 50c; 10 lbs., \$1.00.

NEW ZEALAND. A plant with thick, fleshy texture and soft crystalline leaves. Is not like the ordinary spinach in appearance, but it is used in the same way. Oz., 15c; lb., 85c.

Special Cash Discount to Market Gardeners

SQUASH

Kuerbiss (Ger.) Zucca (It.)

The summer varieties come into use in early summer, but being sensitive to frost the seed cannot be sown until late April. Seed should be planted in hills 4 feet apart, using 4 ounces to 100 hills. The winter varieties, also unable to resist frost, should be planted at the same time. The fruit does not mature until late in the fall, and, having a very firm, hard shell, keeps well, and with a little care can be had all winter and into late spring. In gathering winter squashes it is important to protect the stems, since if broken off the fruit will not keep so well. Plant in hills 6 to 8 feet apart, 2 or 3 seeds to the hill, 8 ozs. to 100 hills or 2 lbs. to an acre.



Mammoth White Bush Scallop.

Mammoth Golden Summer Crookneck.

MAMMOTH GOLDEN SUMMER CROOKNECK. A large golden yellow variety, thickly warted; is 18 inches long, brittle and tender. Plants are bushy and very prolific. This is an improved strain and considerably larger. Pkt., 10c; oz., 15c; lb., \$1.50.

BURPEE'S FORDHOOK SQUASH. A most desirable running variety for both summer and winter use. Wonderfully productive. Fruit oblong, 8 to 10 inches in length, slightly ridged, smooth thin yellowish skin; flesh very thick and of a light straw yellow. If ripened on the vine will keep until late the following June. Oz., 15c; lb., \$1.50.

MAMMOTH WHITE BUSH SCALLOP. An improvement on the old variety, larger, pure white and superior in quality. Pkt., 10c; oz., 15c; lb., \$1.25.

BOSTON MARROW. This is a very productive fall and winter variety of medium to large size, oval shape, and thin skin. It is much used for canning and making pies. The fruits when ripe are bright orange with a shading of light cream color. The flesh is of rich salmon-yellow color, fine grained and of excellent flavor, but not as dry as the Hubbard. Same as Golden Hubbard. Oz., 15c; lb., \$1.00.

BLUE HUBBARD. This excellent squash of the Hubbard type is light blue in color, with hard shell and thick, fine grained flesh, which is very tender and by far the sweetest and best flavored of the winter squash. This variety is very popular in the East, and brings the highest prices. We have the true stock. Pkt., 10c; oz., 15c; lb., \$1.50.

GOLDEN HUBBARD. A distinct sort, of the shape and general character of the Hubbard, but a little smaller, earlier to mature, and a rich orange-red. Flesh is thick, of fully as good quality, fine-grained and dry. Oz., 15c; lb., \$1.35.

HUBBARD. This is a distinct strain of the famous Warty Hubbard and is an ideal winter squash for market men. The shell is a dark green in color, the flesh dry and sweet in flavor. It grows to large size, is a fine keeper and shinner, its cooking qualities unsurpassed. Oz., 15c; lb., \$1.25.

BANANA SQUASH. The most delicious of all for the table or pies. The tough shell is a grayish green in color. The beautiful orange-yellow flesh is firm and solid, free from fibre, or stringiness, cooks smooth and is of delicious flavor. Matures in 110 days. Pkt., 10c; oz., 20c; lb., \$1.25.

SWEET HERBS

Culture. Sow in early spring, at the time when the trees begin to leaf, in ordinarily good and well drained garden soil, in rows 12 to 24 inches apart.

Pkt.	Pkt.
Anise, aromatic.....10c	Horehound.....10c
Balm, medicinal.....10c	Lavender, aromatic....10c
Basil, sweet.....10c	Marjoram.....10c
Borage, used for salad 10c	Rosemary, aromatic....10c
Caraway, aromatic....10c	Rue, medicinal.....10c
Coriander, aromatic...10c	Sage, culinary herb....10c
Dandelion.....10c	Savory, Summer.....10c
Dill, aromatic.....10c	Sweet Marjoram.....10c
Fennel, Sweet, aromatic.....10c	Thyme, culinary herb.10c
	Wormwood, medicinal.10c

SWISS CHARD—See Beets

GIANT PERPETUAL ("Cut-and-Come-Again") Spinach Swiss Chard. This, though a variety of Chard, is to all practical purposes a giant spinach. Its great merit is that it will supply the greens from spring until late in the fall. If wanted for greens cut when 6 inches high just above ground and it will grow out again. Oz., 15c; lb., \$1.00.

SQUASH BUGS. Spray Pyrox with an under-leaf up-turned nozzle—sure death.

Tobacco Seed

Havana Tobacco Seed. Pkt., 10c; oz., 50c.

TOMATO

Liebesapfel (Ger.) Promodori (It.)

As tomatoes are very sensitive to frost, they cannot be set in the open field until about May 1st. The seed must be sown in well protected hotbeds, sowing same about March 1st. A hardy and stocky plant is had by transplanting the small plants in the bed a few weeks before transplanting to the field. Or when about 4 inches high, the top may be pinched off and the plant grows stockier.

Sow the seed broadcast, using one ounce to about 3 square feet of area, which will yield plants enough to set an acre. In the field set tall varieties 6 feet apart and dwarf varieties 3 feet apart. A slight trellis is advisable in the garden. A moderate amount of water should be applied at the roots at regular intervals.

OXHEART TOMATO. A new and remarkable type, being heart-shaped, carries very little acid and few seeds, some fruits weighing 3 lbs. Owing to its being non-acid it can be eaten freely without harm to the most delicate stomach. Solid flesh, beautiful red, very attractive. Fine yielder, for family garden the very best of all tomatoes. Pkt., 15c; oz., 85c.

EARLIANA (Sparks'). The earliest tall variety, forming ripe fruit much earlier than any other variety. The fruit is large, smooth, of a bright scarlet color, and of fine quality. Very valuable for early market use. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.75.

JOHN BAER. A remarkable new variety of the extra early red or scarlet type. Not quite so early as Earliana, though there are only a few days difference, and John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

BONNEY'S BEST EARLY. An extra early variety having great favor with the market gardeners. Vines vigorous and productive, fruit solid without hard core. Color bright scarlet. Fine, early, handsome, especially profitable for market gardeners' use. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

CHALK'S EARLY JEWEL. A wonderful new variety, in that it is early and bears continuously throughout the season. The fruit is large, smooth, uniform, and well ripened clear to the stem, and the flavor and quality are especially fine. Color, bright scarlet. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.75.

TOMATOES—Continued.

LIVINGSTON'S DWARF STONE. Another splendid new variety from Livingston. This is what he says of it: "The same sort of tomato as Dwarf Champion, but the vine is of stronger growth, and the vine is potato leafed—heavy stem fruit—round, red, of medium size. It is equally early, is equally prolific. It is very solid, ripens very evenly and is of excellent quality." Pkt., 10c; oz., 60c; ¼ lb., \$1.50; lb., \$6.00.

DWARF CHAMPION. A dwarf variety, sometimes called the tree tomato on account of its upright growth and its ability to stand alone without trellising. Fruit medium-sized, smooth, uniform, and of a purplish carmine color. Oz., 50c; ¼ lb., \$1.50.

MARGLOBE. A wonderful Tomato introduced by the U. S. Department of Agriculture. Its disease-resistant, shipping, and heavy yielding qualities have made it a favorite with the market grower. It bears perfect, deep globe-shaped fruits that are smooth, of a beautiful scarlet color, and of splendid eating quality. ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

MATCHLESS. A tall-growing, prolific variety with large fruit, which is rather flattened, smooth and uniform. Color, bright scarlet. For canning and general main crop market, there is no better tomato grown. Extra selected strain. Pkt., 10c; oz., 50c; ¼ lb., \$1.25.

PONDEROSA. An extremely large, irregular-fruited variety. Vine tall, and fruit very solid and purplish carmine in color. Rather coarse and of fair quality only. Pkt., 10c; oz., 60c; ¼ lb., \$1.75.

GOLDEN QUEEN. Bright yellow. Best large yellow tomato. Much like Paragon, except in color. Always smooth and ripens early. Quality excellent in all respects, either for slicing or preserving. Queen of all the yellows. Oz., 35c; ¼ lb., \$1.00.

TURNIPS

Steckrube (Ger.) Pastinaca (It.)

For fall and winter use sow the seed in August, in rows 10 to 18 inches apart, using one ounce to 250 feet of row, thinning the plants when very young to 3 or 4 inches apart. Sow 1 to 3 pounds of seed per acre.

EARLY SNOWBALL. A medium globe-shaped variety of pure white. Very solid and of the best quality. Oz., 15c; lb., \$1.00.

EARLY WHITE FLAT DUTCH (Strap Leaf). A medium-sized flat variety; clear white, early, and of fine flavor. A fine table variety. Pkt., 10c; oz., 15c; lb., 75c.

EARLY WHITE MILAN. Roots flat, smooth and symmetrical; pure white. Top very small, upright and compact. Pkt., 10c; oz., 15c; lb., \$1.00.

EARLY PURPLE-TOP MILAN. Differs from the preceding in that the roots are not quite so thick and are purple on top. Pkt., 10c; oz., 15c; lb., \$1.00.

EARLY PURPLE-TOP WHITE GLOBE. One of the handsomest varieties, the upper portion of the root being a purplish red, the lower pure white. Pkt., 10c; oz., 15c; lb., 75c.

**TOMATO PEPPER
NEW—THE TOPEPO**

The Pepper and Tomato Combined

A new creation among vegetables—the Topepo—sweet Bull Nose Pepper and luscious Stone Tomato combined. Has the delicious flavors and qualities of both. A beautiful yellow blushed with red. Wonderful for stuffing and baking, for salads, soups, dressings, etc. Be the first to raise the Topepo.

Pepper Tomato

A wonderful addition to the vegetable kingdom. 'Twas a happy thought and will give great pleasure to millions of vegetable lovers now and in the future. Pkt., 25c.

COW HORN. A long white turnip. Grows to a large size, standing half out of the ground. It is fine flavored and desirable. Cow Horn turnip sown in connection with Rape is one of the newly recommended things for green manuring purposes. Pkt., 10c; oz., 15c; lb., 75c.

RUTABAGAS

or Swedish Turnips

Winter Varieties

SWEET GERMAN or RUSSIAN. Fine for table or live stock. White, sweet, excellent; fine keeper. Oz., 15c; lb., 75c.

AMERICAN PURPLE-TOP or LONG ISLAND IMPROVED. Bred from the "American Purple Top," over which it is a great improvement, being nearly double the size; an immense yielder and good keeper; flesh rich yellow, of fine quality. Oz., 15c; lb., 75c.

THE PLANTER'S GUIDE

**Time Required for Maturity of
Different Garden Crops Reckoned
from Day of Planting the Seed**

Beans—String	45 to 65 days
Beans—Shell	65 to 75 days
Beet—Table	65 days
Beets—Stock	150 days
Cabbage—Early	105 days
Cabbage—Late	150 days
Cauliflower	110 days
Corn	70 to 120 days
Eggplant	150 to 160 days
Lettuce—Heading	65 days
Melon—Water	120 to 140 days
Melon—Musk	120 to 140 days

Onion	135 to 150 days
Pepper	140 to 150 days
Radish	30 to 40 days
Squash—Summer	60 to 65 days
Squash—Winter	125 days
Tomato	125 to 150 days
Turnip	60 to 70 days
Spinach, average time	45 to 65 days

**Average Time Required for Garden
Seed to Germinate**

Beans	5 to 10 days
Beet	7 to 10 days
Cabbage	5 to 10 days

Carrot	12 to 18 days
Cauliflower	5 to 10 days
Corn	5 to 8 days
Cucumber	6 to 10 days
Endive	5 to 10 days
Lettuce	6 to 8 days
Onion	7 to 10 days
Peas	6 to 10 days
Parsnip	10 to 20 days
Parsley	15 to 21 days
Pepper	9 to 14 days
Radish	3 to 6 days
Spinach	7 to 12 days
Salsify	7 to 12 days
Tomato	6 to 12 days
Turnip	4 to 8 days



Field of Our Silo Filler Sweepstakes Ensilage Corn Grown by H. J. Blowers, Cazenovia, N. Y. (See testimonial below).



Field of Ebeling's Silo Filler Sweepstakes Ensilage Corn Grown by Harry Campbell. (See testimonial below).

FIELD CORN

Ebeling's Silo Filler Ensilage Corn or Early Wonderful. An improved type of the old and reliable so-called Sweepstakes variety, which is also known under many other names, and which was introduced by us for the first time in Central New York in 1912, and our catalog of that year contains description of same.

This Ensilage Corn has reached a high-water mark in quality and silo-filling ability. Bu., \$4.00.

Have had many flattering letters and testimonials during the past season and we are firmly convinced that the **EBELING'S SILO FILLER ENSILAGE or EARLY WONDERFUL CORN** is the best and last word on Ensilage. Different farmers have said that they had more corn than their silos would hold and sold considerable to their neighbors right out of the field.

This seed stock is very carefully selected by competent corn men, and the crops are faithfully cared for; this producing a type of Ensilage corn best suited to the farmers' needs.

Samples on application. We have ears of this corn weighing 1 pound when husked. Bu., \$4.00.

Ebeling's Silo Filler or Early Wonderful Ensilage Corn is also known as West Branch Sweepstakes, Giant Ensilage, The Abbot West Branch, Lancaster, Sure Crop, Mennonite Ensilage, "Mohawk Chief" Ensilage, Syndicate Special Ensilage, Rising's Gold Dollar, Excelsior, Central Pennsylvania, Lycoming County Sweepstakes Ensilage, and other names. The corn that makes the farmer prosperous. Makes the ensilage in eighty days. Fully ripened and glazed in ninety days. Bu., \$4.00.

ENSILAGE VARIETIES

LANCASTER COUNTY SURE CROP SWEEPSTAKES.

Has been giving excellent satisfaction, producing good size stalks 12 feet high with ears 14 inches long, having 14 to 16 rows of deep yellow broad grains. It shells easily and matures its crop under favorable conditions in 90 to 100 days. Bu., \$4.

LUCE'S FAVORITE. A large, leafy ensilage corn producing considerable grain. This is widely used in New York State. Bu., \$4.00.

WHITE CAP YELLOW. This strain matures slightly earlier than Cornell No. 11, having a smaller ear. A good husking sort of yellow grain. Bu., \$3.25.

CORNELL NO. 11. A yellow Dent Corn developed by Cornell University. Bu., \$4.60.

GOLDEN GLOW. Used for ensilage in Northern New York where the shorter growing seasons prevail. Resembling Cornell No. 11. Good husking corn. Bu., \$4.00.

PRIDE OF NORTH. Corn similar in type to Leaming. Makes silage and considerable grain. Not a husking sort. Bu., \$3.50.

LEAMING. A large growing variety producing large tonnage of fine ensilage. Bu., \$3.50.

IOWA GOLD MINE. Deepest grained, pure yellow corn ever grown. Bu., \$3.50.

LATE EUREKA. The Genuine Virginia-grown selected strain of late Eureka—well liked by those who desire a large tonnage. It will make no grain. Bu., \$4.00.

HUSKING VARIETIES

ANGEL OF MIDNIGHT. Extra early 8-row yellow flint corn. Ears of medium size. A splendid yielder for one so early. Bu., \$4.00.

CANADA SMUT NOSE. It is an 8-rowed medium late with a splash of a reddish blush over the tip of the ear. Bu., \$4.00.

LONGFELLOW. This is well named, being the longest eared 8-rowed yellow flint corn known. Is medium late. Bu., \$4.00.

KING PHILIP FLINT. An excellent strain of a very early maturing Flint corn. It produces a good yield of red grain on slender 8-rowed ears. Bu., \$4.00.

SANFORD WHITE FLINT. A large long-eared 8-rowed sort. Big white kernels, small cob, biggest yielding sort known. Late sort. Bu., \$4.00.

We Offer Special Discount on Corn for Cash
Special Sale in Farming Tools, see page 53

Cazenovia, N. Y.,
October 23, 1930.

Mr. F. H. Ebeling.

Dear Sir:

I am sending you a picture of our Ensilage Corn which was a splendid crop of Ebeling's Silo Filler Sweepstakes, and I will be glad to say a word to anyone as to the quality and value of this corn.

H. J. BLOWERS.

Canastota, N. Y.,
October 20, 1930.

Dear Mr. Ebeling:

I have dealt with you for many years and have always found your seed satisfactory and crops very good. I am sending a picture of the ensilage corn.

Our Ensilage Corn and Alfalfa are crops in which we are most interested, and these have proved to be very satisfactory.

HARRY CAMPBELL.



Field of Ebeling's Silo Filler Sweepstakes Ensilage Corn Grown by John Benson. (See testimonial).



Field of Ebeling's Silo Filler Sweepstakes Ensilage Corn Grown by Harry Campbell. (See testimonial on opposite page).

Dear Mr. Ebeling: Oct. 8, 1930.
I have bought seed of you for many years and have always had splendid results. I just wanted you to know that I was pleased with your seeds and I am sending a picture of our Corn, Silo Filler Sweepstakes Ensilage we had of you this season.

JOHN BENSON.

My Dear Mr. Ebeling:

Cazenovia, N. Y.

I am glad to say that your Ebeling's Silo Filler Sweepstakes Ensilage Corn was the finest in this whole section and grew 15 feet high and filled our silo, 16x30. We are very much pleased and satisfied and will give you our order for corn and other seeds for next season.

JOHN STERLE.

My Dear Mr. Ebeling: Oct. 25, 1930.
I am pleased to send you the several pictures of our Ebeling's Silo Filler Sweepstakes Ensilage Corn which we had of you this season, and wish to say we are greatly pleased with it, being one of the best fields in this section. Weather has not been any too good for best results, yet our Ensilage Corn proved to be very satisfactory. Our alfalfa seed was also fine.

GEORGE THAYER.



Field of Ebeling's Silo Filler Sweepstakes Ensilage Corn Grown by George Thayer, Manlius, N. Y. (See testimonial).

Mr. Ebeling,

Dear Sir:

Your Silo Filler Sweepstakes Ensilage Corn is the best we ever grew. It cannot be beat. J. R. FROST & SON,
Munnsville, N. Y.

Dear Mr. Ebeling:

Oct. 5, 1930.

We have used your seeds for many years and have always found them to be right and as represented. The Alberta Cluster Oats and Silo Filler Sweepstakes Ensilage Corn are especially fine. We are glad to say this for your seeds.

HENRY & HOWARD MARTIN.

Syracuse, N. Y.

Dear Sir:

I have been a customer of yours for years and the seed corn, garden beets as well as all other seeds have been very satisfactory and the crops grown from these seeds have been among the very best I have ever grown during the many years of my farming and gardening. The Silo Filler Sweepstakes Ensilage Corn was unusually good, as shown by the picture taken from the corn when you called on me in October. I also am well pleased with the way you do business, which has always been on the square.

Very truly,

GEORGE W. ROBOTHAM.



A Sample of Ebeling's Silo Filler Ensilage Corn Grown by George Robotham, Canastota, N. Y. (See testimonial).

ALBERTA CLUSTER OATS

The Famous, Heavy Yielding, Hardy Variety From the Great Northwest

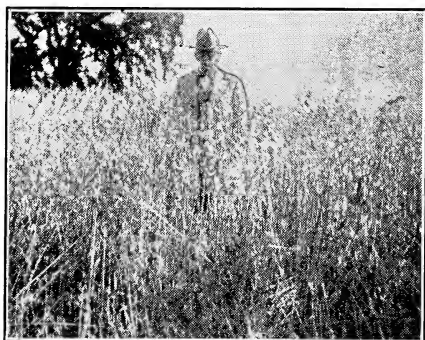
These oats are grown and shipped in car lots of about 2000 bushels, from that wonderful Alberta country of the Great Northwest. The soil is a deep, heavy, rich loam, free from foul weeds, and which produces the very best of all grain crops. These oats have captivated the modern grain-growing farmer in every part of the country because they have proved themselves a big success. It's well known that seed oats in the Alberta country are unequalled in hardiness, height, yield, vigor, in freedom from rust and from foul seeds. Canadian growers are extremely careful in seed selection and the Canadian Government through its rigorous seed laws, has greatly benefited our American farmers. It is safe to say that a more profitable variety of oats was never offered before in Central New York.

The two main handicaps in the growing of oats are foul weeds and the sowing of degenerated oats. Both problems are solved by our Alberta Cluster Oats. These oats constitute a remedy for the farmers who have had trouble with their annual yield because they have continued to sow run-out and run-down sorts year after year. Alberta Cluster Oats compare with the majority of seed oats in the same way that a blooded Holstein compares with a common scrub animal.

Kernels very plump—weigh up to 45 lbs. to bushel.

These oats yield from 60 to 100 bushels to the acre. They have big, strong, stiff straw that stands up well on any ground. Their clustered heads are 12 inches long and ripen early. Per bu., \$1.75.

Special prices for 10 bushel lots or more. Ask our agents or write us.



This Field of ALBERTA CLUSTER OATS was Grown by Leo Geisman, Norwich, N. Y.

Otselic, N. Y.,
Dec. 31, 1930.

F. H. Ebeling,
Syracuse, N. Y.

Dear Sirs:

I purchased 10 bushels of your Alberta Cluster Oats from your salesman last spring, and wish to say "that they were the best piece of oats that I saw in this section of the country last year," and a great many people spoke highly of them.

They are wonderful yielders, and very long straw, and did not lodge.

I certainly would recommend them to any farmer, and shall want more for next spring.

Yours very truly,

C. H. PARKER.



Alberta Cluster Oats.

To Prevent Smut in Oats

Formula.—1 pint of formalin to 20 gallons of water, wet 20 bushels (or in that proportion) of oats with this solution, mix thoroughly by shoveling, then pile in a mound, cover up well with blankets, etc., for 12 hours. This forms a gas that will destroy the Smut germ. After 12 hours spread out the oats to dry. They will then be ready for sowing.



Grown on the Merry Farm.

FIELD OF ONONDAGA GRAIN MIXTURE

This wonderful dairy mixture forms a balanced grain ration, superior to any mill feed at greatly reduced cost. Saves constant hauling, a perfect milk and flesh producing feed, at $\frac{1}{2}$ to $\frac{2}{3}$ the cost of ordinary grain feeds. Can be ground with your own power, thus leaving the money in your own pocket. You make and take the profit yourself. Cost per acre, \$7.00.

Sow 100 lbs. Onondaga Grain Mixture per acre and if the soil is rather poor—sow a little more.

FIELD SEEDS

	Per bu.
Canada Field Peas	\$4.50
Buckwheat, Japanese	2.40
Buckwheat, Silverhull	2.40
Barley, Alpha, 2-row	2.50
Barley, Oderbroecker, 6-row	2.50
Speltz (32-lb. bu.)	2.75
Spring Rye	3.50
Winter Rye	3.00
Marquis Spring Wheat ...	3.50
Sunflower Seed—Per lb., 18c; per 100 lbs.,	\$13.00.

EXTRA RE-CLEANED GRASS AND CLOVER SEED

We offer SPECIAL PRICES on all GRASSES and GRAINS listed on this page. "The best in quality and variety is our slogan." Ask for prices and estimates.

PRINCE EDWARD ISLAND BENT GRASS. Grown on the Gulf of St. Lawrence, Northwest Canada. This is the best known perennial grass for permanent lawns. Price, \$1.75 per lb.

RHODE ISLAND BENT GRASS. A popular and well-known sort of perennial seed for permanent lawns. Lb., \$1.25.

BLUE GRASS, KENTUCKY FANCY RECLEANED (*Poa Pratensis*). Also known as June Grass, Green Grass, etc. One of the best permanent grasses, especially for lawns and meadows. Lb., 60c.

BLUE GRASS, CANADIAN (*Poa Compressa*). Useful for poor, thin and gravel soils. Lb., 45c.

CREEPING BENT GRASS (*Agrostis Stolonifera*). Excellent for lawns and putting greens. Lb., \$1.15.

CRESTED DOGSTAIL (*Cynosurus Cristatus*). Lb., 50c; bu. (21 lbs.), \$10.00.

FESCUE, CHEWINGS NEW ZEALAND (*Festuca Chewings*). For lawns and putting greens. Lb., 60c.

FESCUE, HARD (*Festuca Duriuscula*). Indispensable in all pasture mixtures. Lb., 50c.

FESCUE, MEADOW (*Festuca Pratensis*). English Blue Grass or Sweet Grass. Lb., 40c.

FESCUE, RED or CREEPING (*Festuca Rubra*). For fine lawns and putting greens. Lb., 50c.

FESCUE, SHEEP'S (*Festuca Ovina*). Valuable for pastures. Lb., 50c; 100 lbs., \$40.00.

FESCUE, FINE LEAFED SHEEP'S (*Festuca Ovina Tenuifolia*). Excellent for lawns and golf courses. Lb., 60c; bu. (14 lbs.), \$8.00.

MEADOW, FOXTAIL (*Alopecurus Pratensis*). A perennial pasture grass. Lb., 90c.

ORCHARD GRASS (*Dactylis Glomerata*). Valuable pasture grass. Lb., 35c; bu. (14 lbs.), \$3.50.

RED TOP GRASS, Extra Recleaned Seed (*Agrostis Alba*). Popular for lawns. Lb., 45c; bu. (32 lbs.), \$11.50.

ROUGH STALKED MEADOW GRASS (*Poa Trivialis*). Fine for lawns. Lb., 65c; bu. (14 lbs.), \$8.25.

RYE GRASS, Perennial (*Lolium Perenne*). Valuable for lawns. Lb., 25c; bu. (24 lbs.), \$4.00.

RYE GRASS, PACEY'S. This makes a quick growth very early in spring. Per lb., 30c; per bushel of 24 lbs., \$4.00.

RYE GRASS, ENGLISH......\$0.25

RYE GRASS, ITALIAN...... .25

RYE GRASS, DOMESTIC...... .25

SWEET VERNAL GRASS (*Anthoxanthum Odorum*). Imparts a sweet odor to hay. Lb., \$1.40.

TALL MEADOW OAT GRASS (*Avena Elatior*). Lb., 50c; bu. (10 lbs.), \$4.50.

WOOD MEADOW GRASS (*Poa Nemoralis*). The ideal grass for heavily shaded lawns. Lb., 85c.

TIMOTHY (*Phleum Pratense*). A valuable hay crop. Sow 8 to 10 quarts if used with other grass seeds.

PERMANENT PASTURE GRASS

At Market Prices

Low Land		High Land	
	Lbs. per Acre		Lbs. per Acre
Timothy	8	Blue Grass	7
Red Top	4	Red Clover	3
Alsike Clover	6	Orchard Grass	3
Canadian Blue Grass .	4	Redtop	10
Orchard Grass	4	Perennial Rye Grass ..	8
White Clover	2	White Dutch Clover ..	3
	28		34
For Wet Pastures		For Light, Sandy Soils	
Redtop	14	Red Fescue	20
Alsike	8	Redtop	10
Perennial Rye Grass ..	12	Kentucky Blue Grass ..	8
White Clover	6	White Dutch Clover ..	2
	40		40

JAPANESE MILLET (Billion Dollar Grass). Japanese Millet is one of the most remarkable forage plants known, often growing six feet tall. Relished as hay by stock of all kinds. If desired for hay, cut just before it heads out. Price, per bu. (32 lbs.), \$3.75.

SUDAN GRASS. Sudan Grass is strictly an annual, and dies each year like millet. From seven to nine feet high, with very small stems. Stock prefer it. Sow 10 to 15 lbs. per acre. Price, lb., 15c.

GOLDEN or GERMAN MILLET. 50 lbs. to the bushel; 1 bushel to the acre. Per bushel, about \$4.00.

DWARF ESSEX RAPE. A forage plant of highest value. Per lb., 15c; 100 lbs., \$12.00.

SORGHUM or EARLY AMBER SUGAR CANE. This is the sorghum of the Northern States. Per lb., 8c; bu. (50 lbs.), \$3.50.

VETCHES or TARES, WINTER (*Vicia Villosa*). Also called Sand Vetch or Hairy Vetch. Sow 25 lbs. with one bushel grain per acre. Price, per lb., 25c.

CLOVERS

ALFALFA or LUCERNE. Sow from 20 to 30 lbs. per acre. Market price.

ALFALFA, GRIMM. On account of its superior hardiness this variety is particularly recommended for growing in northern latitudes. Market price.

ALSIKE or HYBRID CLOVER (*Trifolium Hybridum*). The plant is perennial and very hardy, thriving well on wet soils. Sow 10 to 15 lbs. to acre. Market price.

RED MEDIUM or MAMMOTH. This is the common Red Clover so largely grown. We shall be pleased to quote prices at any time.

WHITE DUTCH CLOVER (*Trifolium Repens*). This thrives in almost every soil and climate. Per lb., 60c.

SWEET CLOVER BOKHARA (*Melilotus Alba*). This slightly resembles Alfalfa in growth, but is much taller, with leafier and stiffer stems. Per lb., 20c.

CLOVER, CRIMSON. Per lb., 20c.

MULCHING PAPER

MULCH PAPER opens up the field to greater profits by

- Labor conservation in elimination of weeds and excessive cultivation.
- Bigger and better yields.
- Earlier maturity over unmulched areas.
- Increases number of crops per year.
- Protects crop from drought by retaining moisture in the ground.
- Keeps laying crops—melons, etc.—off the bare ground, preventing decay after maturity.
- Leaves soil in better condition at end of season.

- Prevents rains from washing fertilizers away.
- Prevents destruction of crops by mice and cut-worms.

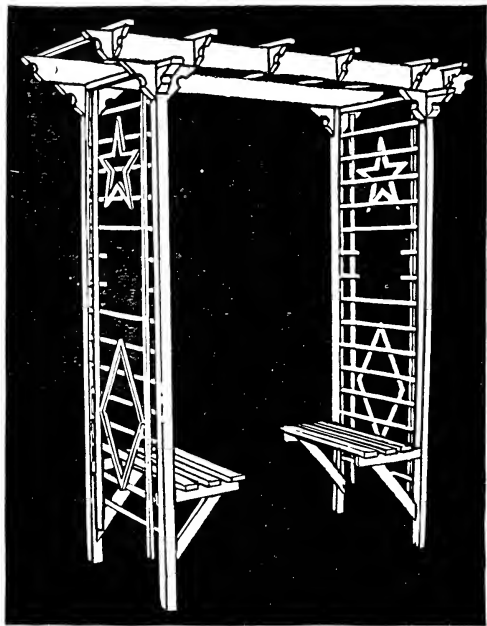
Gator Hide Mulch Paper—Style B—Heavy

	Per Roll
18-inch (675 sq. ft.) 450 ft. long.....	\$3.50
36-inch (1350 sq. ft.) 450 ft. long.....	7.00

Keystone Mulch Paper

	Per Roll
18-inch rolls (300 lineal ft., approx. 27 lbs.) ..	\$2.25
36-inch rolls (300 lineal ft., approx. 54 lbs.) ..	4.50

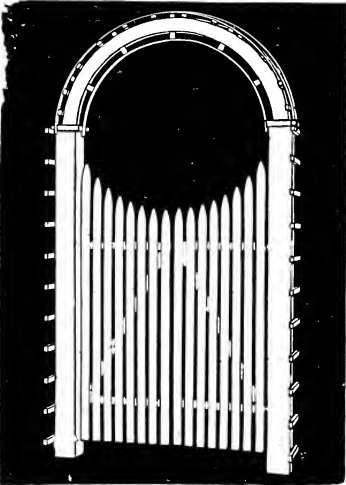
Garden Furniture, Arbors, Trellises, Etc.



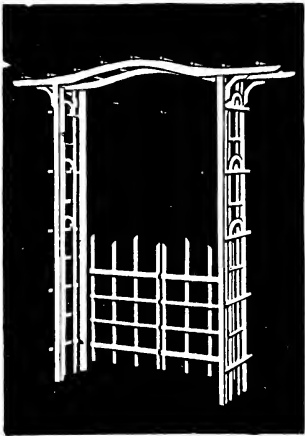
No. 78—Beverly Pergola, \$16.50

PRICE LIST

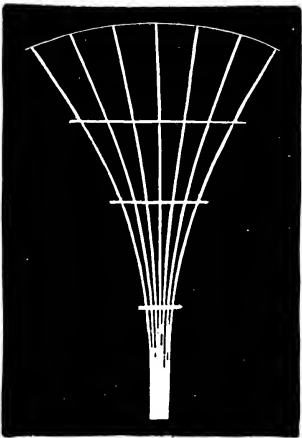
Beverly Pergola with seat, No. 78.....	\$16.50
Hollywood Pergola, No. 66.....	12.60
Dreamland Gateway, No. 132, complete.....	18.00
Dreamland Gateway, No. 132, less gates.....	14.50
Garden Archway, No. 122.....	13.25
Garden Archway, No. 122, less gates.....	10.70
Flower Box, No. 200.....	1.80
Flower Box, No. 201.....	3.00
Flower Box, No. 202.....	3.00



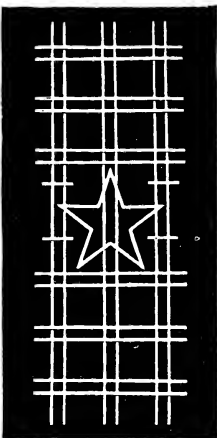
Dreamland Gateway, No. 132
A very pleasing design with double gates. A lovely entrance to a flower garden, lawn, etc. When covered with flowering vines it truly presents a wonderfully attractive appearance. Height 8 ft. Width 41 inches.
Price complete.....\$18.00
Without gate.....14.50



Garden Archway, No. 122
Especially designed for a garden archway. Strongly built and very attractive in appearance. Covered with roses and flowering vines it forms a most charming entrance to any garden. Height 7 ft. Width 4 ft.
Complete with gates.....\$13.25
Without gates.....10.70

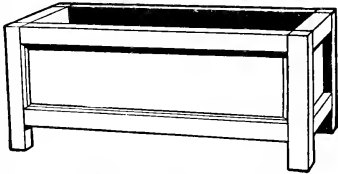


Fan Trellis,
all sizes and prices

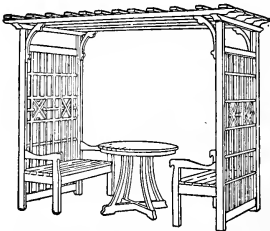


No. 58
Star Trellis, \$2.75

Rose Ladder Trellis, No. 105.....	\$2.30
Double Triangle Trellis, No. 52.....	2.00
Fan Trellis, No. 6.....	1.40
Fan Trellis, No. 8.....	1.70
Adjustable Trellis, No. 35.....	1.55
Roseland Trellis, No. 48.....	3.40
Diamond Trellis, No. 53.....	2.00
Diamond Trellis, No. 159, 10 ft.....	3.85
Star Trellis, No. 58.....	2.75
Wildwood Trellis, No. 108.....	2.80
Craftsman Trellis, No. 28.....	4.50
Utility Trellis, No. 29.....	5.60
Double Circle Trellis, No. 20.....	3.10
Paramount Trellis, No. 16.....	2.30
Adjustable Trellis, No. 47.....	2.10
Adjustable Trellis, No. 71.....	3.25
Sweet Pea Trellis, No. 61.....	1.35
Bungalow Panel Trellis, No. 100.....	3.00
Fan Trellises in all sizes and prices, from 2 to 10 ft.	
White Picket Fence (per ft.).....	.15
Snow Fencing (in 50 ft. rolls, per ft.).....	.15



Flower Box, No. 201
For porches, windows, etc.
Length 27 inches, width 13 inches,
height 11 inches. Painted green or
white. Each, \$3.00.



Arbor Pergola with Table
Price \$75.00

Garden Fence Made to Order, Also
Garden Furniture

Add to the Charm of the Garden with Lasting Ornaments



Bird Bath, No. 100. \$9.50
Height 23 inches; diameter of bowl, 17 inches.
Bird Bath, No. 200. \$12.00
Height, 31½ inches; diameter of bowl, 23 inches.



Sun Dial, No. 100. \$8.00
Height, 27 inches; diameter of dial, 12 inches.
Sun Dial, No. 101. \$10.00
Height, 31 inches; diameter of dial, 12 inches.



Flower Urn, No. 300
Height, 27 inches; diameter of bowl, 21 inches. \$15.00

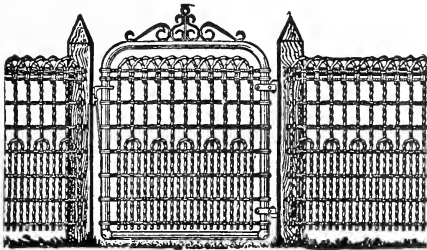
Flower Urn, No. 302
Height, 32 inches; diameter of bowl, 21 inches. \$17.00



Bird Bath with Figure and Extension

Price, \$25.00 complete as shown above. (Less figure and base, \$15.00).

This can be used as a fountain by having it piped if desired. This is one of the most attractive pieces of Garden Ornaments we have. Landscape Gardeners and Home Lovers are cordially invited to call and look over our line of garden furniture and lawn ornaments.



ORNAMENTAL LAWN FENCE GATES, TRELLIS, FLOWER GUARDS

Style 600 Fabric, Specifications

Upright or picket wires are No. 9 heavily galvanized, spaced 3 inches apart at top, with an additional No. 9 galvanized picket interwoven so as to give an extra close spacing of 1½ inches at the bottom.

Cable line wires are No. 12, spaced 6 inches apart except the two top cables, which are spaced 2¾ inches apart.

Height of Fabric.....	24 in.	30 in.	36 in.	42 in.	48 in.	54 in.	60 in.	66 in.	72 in.	78 in.	84 in.
Number of Cables.....	5	6	7	8	9	10	11	12	13	14	15
Price per lineal foot.....	13c	14c	15c	17c	19c	21c	25c	28c	30c	37c	44c

The extra pickets at bottom of fabric engage the lower cables as follows: 24 in. and 30 in., three lower cables; 36 in. and 42 in., four cables; 48 in. and 54 in., five cables; 60 in. and 66 in., six cables; 72 in. and 78 in., seven cables; 84 in., eight cables.

NORWOOD TRELLIS

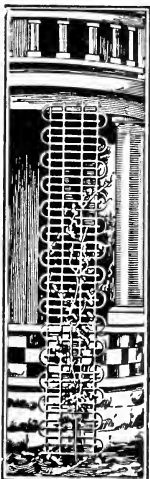
The trellis illustrated is made of large, heavily galvanized wire. Norwood Trellis is but a trifle higher in price than poultry netting, is more ornamental and will last for years.

No. 107—18 in. wide, list, per lin. ft. \$0.07
No. 107—24 in. wide, list, per lin. ft. .09
No. 107—30 in. wide, list, per lin. ft. .11

STYLE NO. 150—FLOWER BED BORDER

Designed for the protection of flowers. Uprights made of No. 9 heavily galvanized wire. Illustration shows Norwood 22-inch border.

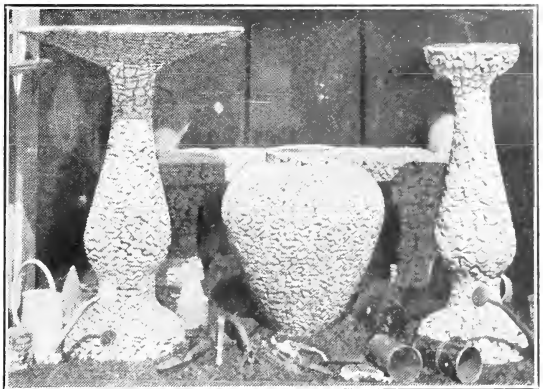
16-inch, list price per lineal foot ... \$0.10
22-inch, list price per lineal foot11
28-inch, list price per lineal foot13
Put up in 165-, 250- and 330-foot rolls.



No. 107.



No. 150.

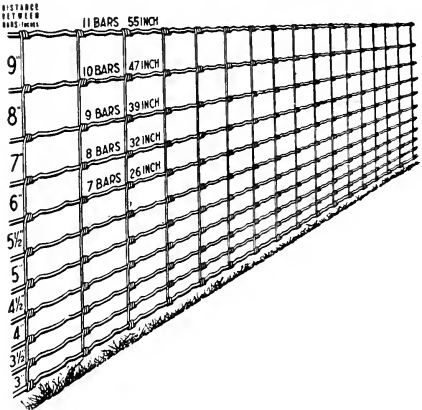


GRANITE MOSAIC GARDEN FURNITURE DELUXE

"One by one—each stone hand laid." Enhances the loveliness of the garden and lends a touch of charm by its natural beauty. Through the years Nature has colored so beautifully the stones that are used. Ask us for special prices.

Zinc Insulated

Trade Mark



FIELD FENCING

For Horses, Cattle, Sheep and Hogs

We carry a complete stock of following styles as listed below.

Styles not listed furnished on short notice.

Owing to market changes we will be pleased to quote on application.

No. of Wires	Inches High	Stay	Wire
8	32	6-inch	No. 11
9	39	6-inch	No. 11
10	47	6-inch	No. 11
6	35	12-inch	No. 11
8	45	12-inch	No. 11

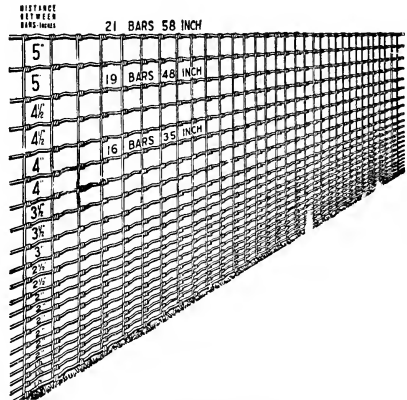
AMERICAN FENCE

Zinc Insulated American Fence is the highest quality fence made. Its wires are insulated with a heavy uniform coating of zinc which makes it proof against all weather conditions. When you buy American Fence, you pay just what you would for ordinary fence but you easily get twice the value for your money.

A Wonderful Fence

There's no better fencing made for hogs, cattle, poultry or rabbits. It makes an ideal garden fencing. It's strong, thoroughly practical, and more durable than netting. The light specifications are strong enough to turn stock.

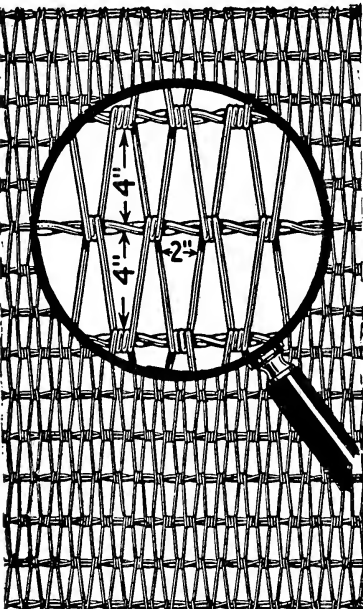
This fencing comes in 6 to 21 bars, in 6- and 12-inch stays, 24 to 58 inches high.



POULTRY FENCE

Price List

	Per Rod
1948 x 6—No. 14 1/2	\$.070
2158 x 6—No. 14 1/2	.75



Diamond Lawn Fence

	Light per ft.	Heavy per ft.
58-inch	\$.015	\$.018
50-inch	.13	.16
42-inch	.11	.14
34-inch	.09	.12

THE LOTT FENCE STRETCHER is the only tool necessary for putting up the American Field and Hog Fencing. Every farmer should own this Stretcher. Price, \$12.00.

Steel Fence Posts

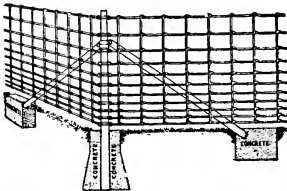
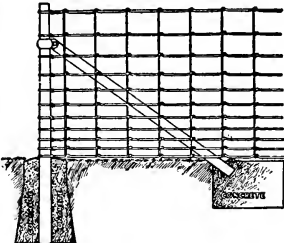
These posts will make the strongest foundation for your fence. Banner Line Posts and American End and Corner Posts.

LINE POSTS, 5, 6, 6 1/2, 7, 8, 9 feet.

CORNER POSTS, 8 feet.

END POSTS, 8 feet.

Prices on application.



We carry a complete stock of **BANNER PAINTED POSTS** and **GALVANIZED TUBULAR POSTS**.

Prices on Application

12-ft. American Gates, 50-inch, plain top.	
14-ft. American Gates, 50-inch.	
3-ft. American Walk Gates, 42-inch, plain top.	
4-ft. American Gates, 42-inch, plain top.	
Lott Fence Stretcher	\$12.00

Can't Sag Farm Gate

Price—12-ft., \$8.00; 14-ft. gate, \$8.50; steel metal parts for "Can't-Sag Gate," \$4.00.

Be sure to read page 53.



FERTILIZERS

Fertilize Your Lawn and Flowers With

WIZARD

Everybody can get wonderful results with Wizard because it is a safe, natural fertilizer that does not burn plants. Wizard has a lasting, beneficial effect on the soil. It supplies the humus and natural food that all plants need to develop their real beauty. Wizard is positively weedless, highly concentrated, and easy to use. It is very economical—one bag equals a whole wagon load of stable manure.

LAWNS. Make an application of Wizard early in spring if you want a thick, velvety, green turf of lasting beauty.

On new lawns broadcast 10 lbs. to 100 sq. ft. and rake into the surface soil. To put new beauty into old lawns, 6 to 10 lbs. per 100 sq. ft. will be sufficient.

FLOWER GARDENS. Luxuriant green foliage and vivid colored flowers are the result of using Wizard. Broadcast 10 lbs. to 100 sq. ft. of garden soil. Mix a handful with the soil under each new plant

—more for vines, shrubs and trees. Light applications during the growing season will prolong blooming.

VEGETABLES AND FRUIT. Every practical gardener knows that there is nothing better than manure to grow big, profitable crops. Wizard produces big crops of crisp, tender vegetables. Fruit crops respond quickly and show improved yield, color and flavor. Use 1000 to 1500 lbs. per acre.



Prices: 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

VIGORO

Specially prepared plant food

Grows Beautiful Lawns, Flowers and Vegetables

Successful gardening is dependent upon proper feeding. Not the old make-shift methods but with a complete plant food containing all the elements that plant life requires for healthy growth.

Such a food is Vigoro. Complete, properly balanced, clean and odorless. It can be sown by hand like grass seed.

For a thick growth of healthy grass, beautiful flowers, leafy shrubs and trees, and crisp vegetables, use Vigoro.

Full directions in every bag. Get enough now for everything you grow.

5-lb. bag\$0.50 50-lb. bag\$3.00
25-lb. bag 1.75 100-lb. bag 5.00

SACCO—Makes Things Grow

Sacco is the finest of fertilizers—a soil rectifier and growth producer for lawns, gardens, shrubs, flowers, trees, potted plants and vegetables. It is a well balanced preparation containing all the feeding elements essential to the perfect growth and development of all plants.

AMOUNT TO APPLY

For every 100 sq. ft. (10x10 ft. area) use only from 2 to 4 pounds of Sacco for best results. Simple directions on each package.

Sacco is clean and without offensive odor.

12 ozs.\$0.15 25 lbs.\$1.75
5 lbs.50 50 lbs. 3.00
10 lbs.85 100 lbs. 5.00

INSECTICIDES

PYROX

Here's how to have the most beautiful flowers and the most luscious vegetables in your neighborhood.

Thirty-one kinds of bugs and worms are trying to make a **FREE LUNCH** of your garden. Declare war on them! In the battle against these bugs, mankind has always been on the losing side. Savages—animals—diseases—have been conquered. But since Pharaoh's time, when the locust over-ran Egypt, the bugs have been winning. There are more insect pests today than ever before.

Science has now given us a perfected weapon to fight the plague of insects. It is Nicotine Pyrox—Pyrox, which has enjoyed the favor of growers for thirty years, treated with nicotine. Never before have gardeners been able to get **ONE** Spray that will destroy the thirty-one kinds of bugs and worms that menace vegetables, fruits, shrubs and flowers. No longer need the home gardener study complicated spray materials—one spray will do all the work—Nicotine Pyrox.

If you have but a single rosebush, or a dozen tomato plants, you need Nicotine Pyrox. No need to bother with crude, messy, ineffective sprays. Nicotine Pyrox is all you need to kill both sucking and chewing bugs, control blights and other diseases and stimulate plant growth. Just add water.

PRICES:

Small Size—enough to make 2 gallons of spray\$0.50
Large Size—enough to make 8 gallons of spray1.75

Standard Pyrox differs from Nicotine Pyrox only in that it has not been treated with nicotine and consequently will not kill aphids or sucking insects. Many farmers will wish to continue using Standard Pyrox to kill chewing insects, control disease and increase yields. Users of Standard Pyrox for the past thirty years have found that when used for vegetables and small fruits, it frequently increases yields 20% and more. It is indispensable for hardy and vigorous foliage, even when there are no evidences of bugs or blight.

Pyrox is easy to use. Just mix with water in accordance with directions and in five minutes you will have a perfect mixture which will spray like mist through the finest nozzle. One pound of Pyrox makes 5 to 6 gallons of spray.

Prices: Lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.25; 50 lbs., \$10.75; 100 lbs., \$15.50; 300-lb. bbl., \$43.50.

Use Regular or Nicotine Pyrox for all vegetables, small fruits and flowers. Will rain wash it off? Try it and see.



SEMESAN

**Dip Dust for Larger and Better Crops
Better Potatoes, Corn, Grain and
Vegetables**

SEMESAN

A general disinfectant for vegetable and flower seeds or bulbs.

2-oz. tin\$ 0.50 25-lb. pail\$ 56.25
1-lb. tin 2.75 100-lb. drum 220.00
5-lb. tin 13.00 300-lb. drum 645.00

SEMESAN BEL

An instantaneous dip disinfectant for seed potatoes.

4-oz. tin\$0.50 25-lb. pail\$ 31.25
1-lb. tin 1.75 100-lb. drum 120.00
5-lb. tin 8.00 300-lb. drum 345.00

NU-GREEN

A grass disinfectant for brown-patch prevention and control.

3-oz. tin\$0.50 25-lb. pail\$ 37.50
1-lb. tin 2.00 100-lb. drum 145.00
5-lb. tin 9.00

CERESAN

A dust disinfectant for wheat, oats, barley and other cereals.

1-lb. tin\$0.75 25-lb. pail\$12.50
5-lb. tin 3.00 100-lb. drum 49.00

SEMESAN, JR.

A dust disinfectant for seed corn.

4-oz. tin\$0.50 25-lb. pail\$ 31.25
1-lb. tin 1.75 100-lb. drum 120.00
5-lb. tin 8.00

SEMESAN and DIP DUST are one and the same thing.

FERTILIZERS

Baughro

THE IDEAL PLANT FOOD

Specially prepared Plant Growth Activator for Lawns, Flowers, Shrubby, Gardens, Fruit and Ornamental Trees. BAUGHRO is a plant food of very high quality, complete in its preparation and contains all the necessary elements except those present naturally in all fairly good soils. These elements are Ammonia, Phosphoric Acid and Potash, all of which are derived from unexcelled high grade sources and processed in well balanced combination.

5 lbs.\$0.50 50 lbs.\$3.00
25 lbs.1.75 100 lbs.5.00

ADCO. Free from foul odor, flies, weed seeds, etc. The process is perfectly simple and not at all laborious. The addition of Adco to the compost pile, or to other vegetable refuse, grass clippings, leaves, etc.; at the rate of two pounds to each wheelbarrow load of refuse, will produce a clean, odorless manure within three or four months. 25 lbs., \$2.00; 150 lbs., \$10.50.

ACID PHOSPHATE 16%. Lb., 5c; 25 lbs., \$1.00; 100 lbs., \$2.50.

ALUMINUM SULPHATE (Commercial Grade). For souring the soil where one desires to grow Rhododendrons or Azaleas. 5 lbs., 40c; 10 lbs., 75c; 100 lbs., \$4.00.

AMMONIA SULPHATE. Analyzes about 25% ammonia with the result that stimulation in growth of plant life is noted practically at once. 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00.

ASHES, CANADIAN HARDWOOD. Very good in supplying potash, and also greatly benefits mechanical condition of the soil. A very fine lawn dressing. 25 lbs., \$1.25; 50 lbs., \$2.00; per bag of about 100 lbs., \$3.00; per ton, \$40.00.

BLOOD, DRIED. A very quick acting fertilizer being immediately soluble. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$2.00; 50 lbs., \$4.00; 100 lbs., \$7.00.

BONE AND BLOOD. Tankage 9%. For cabbage, cauliflower, corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash, salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 500 lbs. per acre. 25 lbs., \$1.70; 50 lbs., \$2.50; 100 lbs., \$3.70; 250 lbs., \$8.75; 500 lbs., \$15.25; 1000 lbs., \$29.00; 2000 lbs., \$156.00.

BONE FLOUR. Very finely pulverized bone. Excellent where immediate effect is wanted. 25 lbs., \$1.50; 100 lbs., \$5.00.

BONE MEAL. 100 lbs., \$4.50. Also another grade of Bone Meal or Ground Bone. 100 lbs., \$3.50.

CALCIUM CHLORIDE. Dust layer and surface binder. One bag will cover about fifty yards, supplied in 100-lb. bags. 100 lbs., \$3.50; per ton, \$60.00.

COTTON SEED MEAL. 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50.

FARM FERTILIZERS

A Liberal Discount to Cash Customers.

	Ammo.	Avail.	Potash	Ton
		Phos. Acid		
Oats, Barley, Wheat, Corn ..2	12	2		\$44.00
Corn and Grains	9	4		38.00
Onions, Celery, Potatoes ..2	8	10		48.00
Potatoes and Vegetables ..4	8	4		46.00
Potato Grower	8	5		41.00

AGRICULTURAL GYPSUM. A high grade lime product for sweetening heavy and sour soils. 5 lbs., 30c; 10 lbs., 50c; 100 lbs., \$2.25; 500 lbs., \$9.00.

FERTILIS TABLETS. Fine fertilizer for house plants. Simple, effective and odorless. Very popular. 25c.

GRANULATED PEAT. Per bale, 220 lbs., \$4.00. Some firms offer 180-lb. bales. Note this when buying.

GROUND BONE MEAL. Excellent for grass plots, gardens, etc. 5 lbs., 30c; 30 lbs., \$1.25; 50 lbs., \$2.50; 100 lbs., \$4.50.

HUMUS (Alphano Prepared). An excellent article to incorporate with poor soil in the garden, greenhouse or in potting plants. When used in garden work, the ground should be covered with 1½ to 2 inches of Humus and spaded in. 5 lbs., 35c; 10 lbs., 60c; 25 lbs., 85c; 50 lbs., \$1.35; 100 lbs., \$2.25; 500 lbs., \$10.00; ½ ton, \$15.00.

LIME (Hydrated). For lawn and field use where the ground has become sour. 50 lbs., \$1.10; 100 lbs., \$2.00.

NITRATE OF SODA OR CHILI SALTPETER. Nitrate of Soda is not a substitute for other manures, but one of the cheapest and best forms in which to apply nitrogen to plants. Do not let nitrate touch green growth or it will burn. Remove the lumps before using and break them up, which can be done by pounding. For home garden apply as a solution one ounce to two gallons of water. Price, (subject to market changes), 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.10; 50 lbs., \$3.50; 100 lbs., \$5.85; 500 lbs., \$25.00.

PULVERIZED LIMESTONE. Especially fine for roses. Apply liberally and watch results. An excellent form in which to apply lime which is a neutralizer for soil acidity, liberates nitrogen and other plant food, and stimulates bacterial action. Two tons or more per acre, or by hand in small gardens, a large handful to a square yard. 100 lbs., \$1.00; 500 lbs., \$4.00; 1000 lbs., \$9.00; 2000 lbs., \$12.00.

SACCO PLANT FOOD. Potted plants, porch boxes, flower beds, lawns, garden shrubbery, and ferns. The action of Sacco Plant Food is very quick and a wonderful improvement in growth and appearance of plants will be noticeable in a short time. (See also page 41).

1-lb. tins\$0.25 25 lbs.\$1.75
5 lbs.50 50 lbs. 3.00
10 lbs.85 100 lbs. 5.00

SALT. For agricultural purposes, asparagus beds and putting on walks and roads to kill weeds. Apply 600 to 8000 lbs. to the acre in early spring. 25 lbs., 50c; 56 lbs., 85c.

SCOTCH SOOT (Genuine Imported). Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cutworms. 25 lbs., \$2.10; 50 lbs., \$3.60; 100 lbs., \$6.25; 500 lbs., \$27.50.

SHEEP FERTILIZER. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$3.00. (See page 41).

STIM-U-PLANT TABLETS. A fertilizer in tablet form. The tablets contain the essential plant foods in highly concentrated form and are therefore very convenient for house use. Package, small size, 30 tablets, 25c; medium size, 100 tablets, 75c; large size, (pail), 1000 tablets (enough for season's supply for medium sized garden), \$3.50. Keeps Lawns Fresh and Green.

SULPHATE OF AMMONIA. Used for its nitrogen. A very fine fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet. 25 lbs., \$2.00; 50 lbs., \$3.40; 100 lbs., \$5.75; 500 lbs., \$24.00.

TEROGEN. This unique soil disinfectant—fungicide, insecticide and fertilizer—has played a highly important part in the great success achieved by the nationally known Rose Gardens at Wallingford, Pa.

PRICES:

1-lb. tins\$0.15 10-lb. tins\$ 4.75
2-lb. tins 1.25 25-lb. tins 11.00
5-lb. tins 2.75 100-lb. tins 40.00
A 10-lb. tin is sufficient for one application for 30 to 50 plants.

TOBACCO DUST. Lb., 10c; 100 lbs., \$6.00.

TOBACCO STEMS. Placed around the roots of roses and other plants; occasionally recommended as a dressing for grass over winter. Feeds the plants, protects against cold, retains moisture, deters insects. Use from 2½ to 3½ tons per acre; 1 to 1½ lbs. to the square yard. 100 lbs., \$3.00.

PEAT MOSS, FINE GRANULATED. For new and old lawns, for your garden, top dressing or mulching around flower and vegetable beds, evergreens, bushes and shrubbery. Can also be used for packing and preserving apples, pears and vegetables. Absorbs the moisture, preventing decay when used in storing your fruits and vegetables, especially in winter. Per bale, \$4.00.

VIGORO is a specially prepared plant food. It contains all of the elements necessary to grow flowers, lawns, vegetables, shrubbery and trees. The cost is only 10c to 20c for every 100 square feet. It is clean, odorless, easily sown by hand like grass seed.

12 ozs.\$0.15 25 lbs.\$1.75
5 lbs.50 50 lbs. 3.00
10 lbs.85 100 lbs. 5.00

WIZARD BRAND SHEEP FERTILIZER. See Sheep Fertilizer; also on page 41.

Nitragin Cultures

ALFALFA, ALL CLOVERS, VETCH, PEAS, BEANS

¼ bu.—15 lbs. seed—3 ozs.\$0.40
½ bu.—30 lbs. seed—5 ozs.60
1 bu.—60 lbs. seed—9 ozs. 1.00
5 bu.—300 lbs. seed—35 ozs. 4.75
Garden Size25

McQUEEN'S CULTURES and INOCULATOR. Prices same as Nitragin.

RICH SOIL OR EARTH—at reasonable prices. In any quantity desired for house plants, window boxes, bulbs, etc. Qt., 10c; ¼ bu., 40c; bu., \$1.00.

INSECTICIDES

ANGLEWORM REMEDY. One teaspoonful corrosive sublimate in 3 gallons of water. Sprinkle on the ground affected by worms, which forces them out and then can be raked up. Also good remedy for ants. $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c.

ANT DESTROYER. An effective remedy for ants. One-half teaspoonful required for each ant hill. $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00; 5 lbs., \$2.50.

ANTROL (Ant Remedy). For killing of sweets-eating varieties of ants that infest and are seen on plants and trees. 4-oz. bottle, 50c; 1-pt. bottle, \$1.00; 1-gal. can, \$4.00; containers, 20c.

ANTROL SETS. Consists of a bottle of syrup and four small jars. They have the ability to attract ants at a distance of 10 feet in circumference. The sweetened liquid is a slow poison, and is carried home by the worker. \$1.00 per set.

APHISTROGEN. Makes a complete spray for most sucking insects; prepared especially for roses and other plants. 4 ozs., 75c; $\frac{1}{2}$ lb., \$1.25; 2 lbs., \$3.50; 12 lbs., \$15.00.

ARSENATE OF LEAD POWDER. Superior to paste in that it does not deteriorate from standing. Use 1 to $1\frac{1}{2}$ lbs. to 50 gallons of water. Lb., 40c; 5 lbs., \$2.00; 10 lbs., \$3.50; 25 lbs., \$8.00.

ATLACIDE DRY WEED KILLER.

1-lb. size—kills	100 sq. ft. weeds—each.....	\$0.50
$3\frac{1}{2}$ -lb. size—kills	350 sq. ft. weeds—each.....	1.50
50-lb. drum—kills	5,000 sq. ft. weeds—per lb. ....	.20
100-lb. drum—kills	10,000 sq. ft. weeds—per lb. ....	.19

BLACK FLAG. For fleas, flies, bedbugs, mosquitoes. 25c; 45c and 75c.

BLACK LEAF 40. A concentrated nicotine solution for aphids, thrips and red spider. Dilute one ounce to from 3 to 6 gallons of water. Oz., 35c; $\frac{1}{2}$ lb., \$1.25; 2 lbs., \$3.75; 5 lbs., \$7.00; 10 lbs., \$11.85.

BORDEAUX MIXTURE, Powder. Lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50.

BUG DEATH. Lb., 20c; 3 lbs., 50c; 5 lbs., 70c; $12\frac{1}{2}$ lbs., \$1.70; 100 lbs., \$9.50.

CARBOLINEUM. 1 to 2 gals., \$2.00 per gal.; 5 gals., \$1.50 per gal.; 5 or 10 gals., \$1.35 per gal.

CED-O-GEN (4-in-1 Spray). Page 51 for particulars.

CED-O-FLORA PLANT SPRAY. Sure death to mealy bugs, red spider, scale. 3 ozs., 50c; pt., \$1.25; qt., \$2.25; gal., \$7.00; 5 gals., \$6.00 per gal.

COOPER'S SHEEP DIP. Pkg., 60c and \$2.00.

COPPER SULPHATE OR BLUESTONE. Lb., 15c.

CROW DOPE. Prevents crows pulling your corn. 1-bu. size, 60c; 2-bu. size, \$1.00; 4-bu. size, \$1.50.

CUT WORM KILLER. 1 lb., 30c; 5 lbs., \$1.25.

CYANOGAS (Calcium Cyanide). For woodchucks, rats, ants, moles. Pkg., 50c; lb., 75c; 5 lbs., \$3.00.

DIPDUST AND SEMESAN. See page 41.



6-oz. bottle, \$1.00; pt., \$2.00; qt., \$3.85; gal., \$13.00.

FEROGEN. A remarkable plant food, soil stabilizer and ground dressing for your roses. Should be cultivated into your rose beds early in the spring. 1-lb. can, 75c; 2-lb. can, \$1.25; 5-lb. can, \$2.75.

FISH OIL SOAP. Lb., 35c; 5 lbs., \$1.50.

FUNGITROGEN. A most effective remedy for mildew, black spot and diseases of roses. Will not discolor the foliage. Pt., \$1.25; qt., \$2.00; $\frac{1}{2}$ gal., \$3.50; gal., \$6.00. (Not mailable).

GRAFTING WAX. $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c.

GRAPE DUST, Powder. A remedy for mold and mildew. Ready for use. 5 lbs., \$1.00; 10 lbs., \$1.80.

HELLEBORE. $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c.

HERBICIDE WEED KILLER. Pt., 40c; qt., 75c; gal., \$2.00.

INSECTROGEN. A complete spray. Poison, fungicide and fertilizer. Highly effective for leaf chewing insects, and an equally efficient detergent for black spot on roses, and mildew and red spider on phlox. $\frac{1}{2}$ pt., \$1.00; pt., \$1.75; qt., \$2.75; $\frac{1}{2}$ gal., \$4.50; gal., \$8.00. (Not mailable).

KRO. The best rat exterminator. Non-poisonous to animals, deadly to rats and mice only. Pkg., 75c.

LIME AND SULPHUR. Standard remedy for scale and certain fungus. Use 1 part to 9 parts of water. Not a poison, kills only by direct contact with the insect. For fall, winter and spring use. Gal., 65c; 5 gals., \$2.50; 10 gals., \$4.50; bbl. lots special prices.

LIME-SULPHUR, DRY. Exactly like lime-sulphur. For fall and spring sprayings. Use 12 to 15 lbs. to 50 gallons of water. Lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.40; 25 lbs., \$4.75; 50 lbs., \$8.00; 100 lbs., \$15.00.

NICO-FUME, Liquid. For spraying and vaporizing. $\frac{1}{4}$ lb., 75c; lb., \$2.25; 4 lbs., \$7.00; 8 lbs., \$12.00.

NICO-FUME TOBACCO PAPER. For fumigating. 24 sheets, \$1.25; 144 sheets, \$5.00; 288 sheets, \$9.00.

"NICO-FUME" TOBACCO POWDER. Not mailable. Tobacco Powder impregnated with a high strength nicotine solution. Lb., \$1.00; 5 lbs., \$4.00; 10 lbs., \$7.00.

PARIS GREEN. $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 55c.

PERFECT CHICKWEED ELIMINATOR. Qt., 75c; gal., \$2.00; 5 gals., \$9.00; 10 gals., \$17.00; 25-gal. drum, \$35.00.

PHYROX. Sticks like paint; kills all leaf-eating insects. Use 1 pound to from 5 to 10 gallons of water. Lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.25; 50 lbs., \$10.75; 100 lbs., \$15.50. (See also page 41).

RAT NIP. For rats and mice. Tube, 35c.

RED ARROW. An effective, non-poisonous solution that is deadly to all insects. Will not burn, blight, or stain the most tender foliage. May be used on fruits and vegetables before eating. Fine for the garden or greenhouse. Economical, used greatly diluted with water. Recommended for caterpillars, Mexican bean beetle, cucumber beetle, rose aphids, rose slug, leaf hoppers, aster beetles, cutworms, sow bugs, wire worms, root lice, Japanese beetle, white fly, dahlia beetles, and many others. Dilute with 200 to 800 parts of water. Full instructions with every bottle. Oz., 30c; $\frac{1}{2}$ pt., \$1.75; qt., \$6.00.



ROSE REMEDIES. For rose beetles, etc. We recommend EVER GREEN, BLACK LEAF "40" as being effective and simple. Both listed on this page.

SCALECIDE. 1 qt., 65c; gal., \$1.50; 5 gals., \$6.00.

SEMESAN BEL. An instantaneous dip disinfectant for seed potatoes. 4-oz. tin, 50c; 1-lb. tin, \$1.75; 5-lb. tin, \$8.00; 25-lb. pail, \$31.25; 100-lb. drum, \$120.00.

SEMESAN AND DIPDUST. See page 41.

SEMESAN-SPRAY. For preventing and controlling brown canker, black spot and mildew of roses. 2 ozs., 50c; lb., \$2.75; 5 lbs., \$13.00. (Not mailable).

SHEPS SPRAY. Full direction on each bottle.

2-oz. bottle—makes 4 gals. spray sol.—postpaid\$0.35

8-oz. bottle—makes 16 gals. spray sol.—postpaid75

1-pt. bottle—makes 32 gals. spray sol.—postpaid 1.25

1-qt. bottle—makes 64 gals. spray sol.—postpaid 2.00

SLUG SHOT. 1-lb. carton, 20c; 5 lbs., 75c; 25 to 50 lbs., 10c per lb.

SNAROL. An effective bait for slugs, cutworms, snails, grasshoppers and other garden pests. A ready prepared meal for broadcasting on the ground under the plants; does not deteriorate from rain or sprinkling. Lb., 50c; 3 lbs., \$1.00; 15 lbs., \$3.75.

STIM-U-PLANT. The magic fertilizer in tablet form. Small size, 25c, postpaid.

STOP-VERMIN is an insecticide and fungicide. Stops ravages of maggots, root-worms, cutworms, grubs, striped beetles, squash bugs, cabbage worms and all other insect pests, which eat the leaves, stems or roots. Lb., 65c; 5 lbs., \$2.35; 10 lbs., \$4.00; 25 lbs., \$9.00.

SULPHO-TOBACCO SOAP. 25c.

SULPHUR, Powdered. For mildew. Lb., 10c; 5 lbs., 40c; 100 lbs., \$8.00.



For the control of scale insects, red spider, aphids, thrips, etc. Cheap, effective and pleasant to handle. Gal., \$1.50; 5 gals., \$5.75; 15 gals., \$12.00; 30 gals., \$20.00; 50 gals., \$26.00.

TEROGEN. Insecticide-fungicide for rose gardens. Fertilizer and soil disinfectant. Destroy in-ect pests and disease before they can attack.

1-lb. tin\$0.75

1-25 lb. tin 1.25

5-lb. tin 2.75

10-lb. tin 4.75

See also Fertilizers on page 42. Ask for particulars.

THRIP JUICE. Pt., 75c; qt., \$1.35; gal., \$3.75.

TOBACCO DUST. 10c per lb.

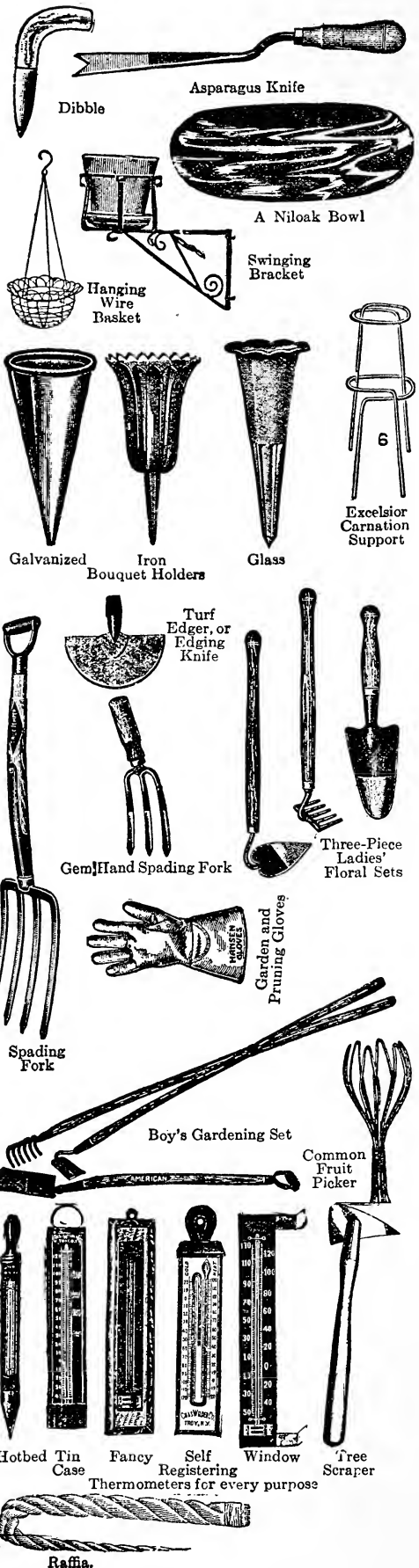
TOBACCO STEMS. Lb., 5c; per bale, \$2.50 and \$3.50.

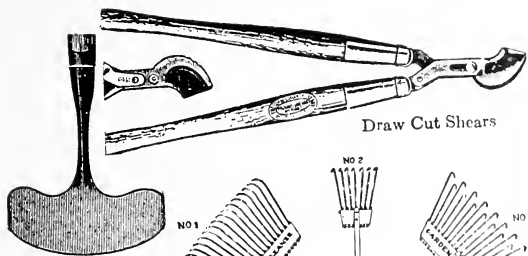
VOLCK. Spray for the control of red spider, mealy bug, scale, thrips, white fly, aphids and rose mildew. Combines with nicotine and lead arsenate. $\frac{1}{2}$ pt., 50c; pt., 75c; qt., \$1.00; gal., \$3.00; 5 gals., \$12.50; 14 gals., \$27.50.

WEED KILLER (Herbicide). Qt., 75c; $\frac{1}{2}$ gal., \$1.25; gal., \$2.00. Dilution 40 to 1. Very effective.

Asparagus Knife. 35c.
 Bamboo Canes. All prices.
 Barrel Pumps. \$40.00. Page 50.
 Bird Baths. See page 39.
 Brackets. For pots and shelves. 55c, 65c, and 75c.
 Brooms, Brush, 50c; House, 75c, 95c, \$1.10; Stable, \$1.25; \$1.35; Push, \$1.50.
 Brushes of every kind and use. Brushes of every style and price. 10c to \$4.00.
 Bulb or Seed Pans. See page 63.
 Hanging Pots and Baskets. See page 63.
 Hanging Pot Chains. 35c.
 Nepomset Paper Pots. Page 63.
 Saucers and Vases.
 Pots and Saucers. See page 63.
 Florist Vases. Fibre.
 Bulb Bowls. 25c to \$2.00.
 Bouquet Holders or Cemetery Vases. Galvanized Iron, Tin, 25c and 15c.
 Carnation Supports.
 Celery Tape. \$1.25 and \$1.50.
 Cemetery Urns.
 Cider Presses.
 Cider Mills and Fruit Presses.
 Corn Poppers. 35c, 45c, 50c, 75c. Electric. Gas Stove use.
 Dibbles. 65c, 75c, 85c.
 Dusters. For dusting dry Insecticides. 45c, 85c.
 Edging Knives or Turf Edgers.
 Egg Carriers. Metal, for Parcel Post. Page 59.
 Fibre Ware. Pots and saucers, unbreakable.
 Flower Pots, etc. See page 63.
 Floral Tools or Gardening Sets. 50c, 75c, \$1.00, \$1.85, \$2.25, \$2.85.
 Children's or Ladies' Sets.
 Forks, Haying, Spading, Potato Hooks.
 Flower Gatherers for cutting and holding flowers.
 Fruit Pickers. 75c.
 Fumigators.
 Fruit Presses.
 Garden Borders. See page 39.
 Garden Lines.
 Garden Line Reels. \$1.00.
 Gazing Globes. \$7.50 and up.
 Glazing Points. 50c, 60c box.
 Glazing Putty. Mastica, \$2.75 per gal.; Mastica Machines, \$3.50 each.
 Gloves. Gardening and Pruning, for ladies. 25c, 35c; for men, 25c, 35c, 50c.
 Grafting Chisel. \$1.50.
 Grafting Knives, or Knives.
 Grafting Wax. Lb., 60c; ½ lb., 35c; ¼ lb., 20c.
 Grass Catchers. See page 49.
 Grass Hooks or Sickles. 75c, 95c, \$1.00.
 Grass Shears. 50c, 75c, 90c, \$1.25, \$1.50, \$2.50.
 Hanging Baskets. All prices.
 Hedge Shears and Pruners.
 Hedge Trimmers. See page 49.
 Hoe and Wheel Cultivators. Page 51, 52. Planet Jr.
 Hoes. All sizes and prices. 50c, 75c, 85c, 95c.
 Hoes, Grub. \$1.25.
 Kinney Pump Attachment. \$3.50.
 Norcross Hoe Cultivator. 85c, \$1.25.
 Fringed Hoe or Potato Fork. \$1.00, \$1.25.
 Seuffle. Dutch or English. 75c.
 Warren Common Hoes. All sizes.
 Garden Hose. All sizes and prices. 15c and 16c per ft.
 Clincher Hose Couplings. 25c.
 Hose Menders, Cooper's. 15c ea.
 Hose Reels. \$2.00 to \$5.00.
 New Boston Graduating Nozzle. 75c.
 Nozzles for spraying Insecticides. \$1.00.
 Sprayer Nozzles for Hoses. 85c.
 Hotbed Sash. Ask for prices.
 Hyacinth Glasses. See fall bulb catalog.
 Knives. Budding and Pruning, all sizes and prices. \$1.25, \$1.75.
 Lawn Sprinklers, Fountain or Ring, 85c; Rain King. \$3.50; Lawn Life, \$1.00; Tu-Way. \$1.25.
 Labels, Pot. \$2.00 to \$3.25 M; Garden, \$3.00 to \$13.00 M; Dahlia or Tree Labels Wired, 10c doz., 45c C, \$3.00 M.

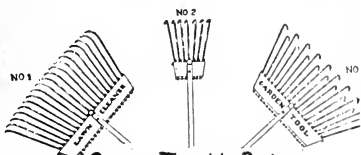
Mastica (Liquid Putty). See page 56. \$2.75 per gal.
 Mastica Machines. \$3.50 each.
 Mole Traps. \$2.75.
 Mulford Culture.
 Plant Supports, "Adjusto." See page 63. 20c, 25c each.
 Plant Boxes for Windows. Wood, 24-in., \$1.35; 30-in., \$1.75; 36-in., \$2.60; 42-in., \$3.15; 48-in., \$3.75.
 Plant Stands. Wire. \$6.50.
 Plant Sprinklers. Rubber, 75c, \$1.00, \$1.25.
 Plant Stakes, Bamboo, Natural, tapering to a point; Chinese Tonkin Canes, tough as bamboo, 4-ft., 6c; 5-ft., 8c; 6-ft., 10c. Green Bamboo, small, 18-in. to 4-ft., 75c to \$1.75 per C. Japanese Canes, Natural, Round, tapering, green; Square, tapering, green.
 Plant Tubs. See page 63.
 Peony Supports.
 Pruning Saws. \$2.00.
 Pruning Scissors. \$1.50.
 Pruning Shears. Ladies', 50c; \$1.75; French, \$3.00; Branch or Lopping Shears, \$4.00.
 Putty. Trowel's Liquid, \$3.50 per gal.; Mastica, \$2.75.
 Raffia. See page 63.
 Rakes, Bamboo. 75c, \$1.00.
 Rakes. Reversible Wire Lawn. \$1.25, 85c.
 Rakes. Reversible Wood, self cleaning. \$1.25, \$1.90.
 Rakes. Steel Garden. 90c, \$1.30.
 Rakes. Snap-tooth, No. 1, \$1.00; No. 2, 85c; No. 3, \$1.25. Page 45.
 Reed for Basketry. Page 63.
 Rollers. Waterweight. Page 49.
 Sash for Hot Beds. Ask for prices.
 Scythes. All sizes and prices.
 Scythes. English. \$2.75.
 Scythe Stones. 10c to 35c.
 Seeder for Grass Seeds. \$3.00.
 Shears. Edging or Border. 50c, 75c, 90c, \$1.00.
 Shears. Garden. \$1.75; Plain. \$2.00, \$3.50; Notched, \$1.25, \$1.00.
 Shovels. Wood D Handle, all sizes and prices. \$1.25, \$2.00.
 Sickle or Grass Hook. Lawn King, 75c, 95c, \$1.00; Village Blacksmith. 75c, 95c, \$1.00.
 Silkaline. Spool. 40c.
 Spades. Ames best, \$2.50; Steel D handle, \$1.25, \$1.50.
 Sprayers. See page 50.
 Spray Nozzles. See page 50.
 Spray Materials. See Insecticides.
 Sun Dials. See page 39.
 Sod Lifter. \$3.50 to \$9.00.
 Tape. For Asparagus or Celery. \$1.25, \$1.50.
 Thermometers. For Brooders and Incubators, for Hotbed and Mushroom; Japanned Tin, Self-Registering.
 Tinfoil. Plain. 25c per lb.
 Torch. Kerosene. \$2.50.
 Tree Guards. \$1.25.
 Tree Pruner. Waters, \$1.50-\$3.00.
 Tree Pruner. Telephone. \$4.00.
 Trellises. See page 39, 40.
 Trowels. 20c, 25c, 80c.
 Trowels. Solid forged steel. \$1.
 Twine. Soft Jute 2, 3, and 4-ply; Soft Jute 2-ply (many ends for tying Vegetables); 25-lb. Reels, 29c per lb.; 50-lb. Reels, 29c per lb.; Hard, Strong, Tying, per ball, 25c, 30c, 40c, 60c; White Cotton, per ball, 10c, per lb., 55c.
 Urns. Cemetery or Garden. See page 39.
 Watering Pots. Florists. \$1.25 and up; French, Galvanized Iron, Long Spouts, Japanned green, 50c, \$1.00, \$1.50.
 Weeders. Excelsior, 25c; Garden Weeding Fork, 25c; Gem, 35c; Magic, 50c; Short Handle, 75c; Long Handle, 75c; Norcross, 85c, \$1.25.
 Weed Killers. (See Insecticides).
 Weed Pullers. 85c and \$1.25.
 Wheelbarrows. See page 56.
 Wire Bright. Annealed Tying Nos. 18, 19, and 20. Per stone, \$1.50.
 Vases. Cemetery. See page 39.





Edging Knife, or
Turf Edger

Draw Cut Shears



Snap Tooth Rake
3 Rakes in One



Edging and
Border Shears



Erado
WEEDER



Water Weight
Roller



Bamboo
litter Rake



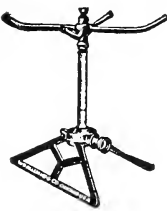
Little Wonder
Lawn Sprinkler



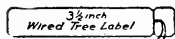
Fountain or Ring
Sprinkler



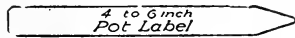
Grafting Tool



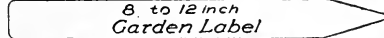
California
Lawn Sprinkler



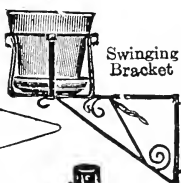
3 1/2 inch
Wired Tree Label



4 to 6 inch
Pot Label



8 to 12 inch
Garden Label



Swinging
Bracket



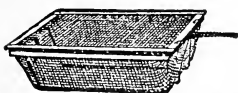
Horn Handle
Budding Knife



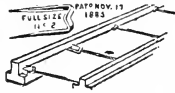
Budding and
Pruning Knife



Stag Handle
Budding Knife



Corn Popper



Peerless Glazing
Point



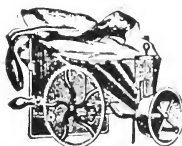
Mastica



Glazing Putty

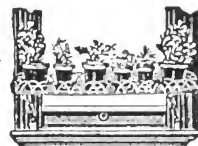


Putty Bulb



Cahoon Seed Sower

Wire
Window
Shelf



See
page
145



THE
CYCLONE
SEED SOWER



Spraywell
Angle
Plant
Sprinkler



Mastica
Glazing
Machine



Bird Bath

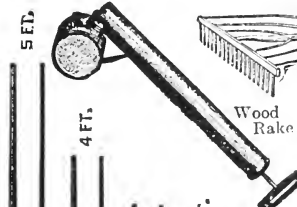


Reversible
Lawn Rake



Steel
Garden Rake

Fan Trellis



Wood
Rake

5 FT.

4 FT.

3 FT.



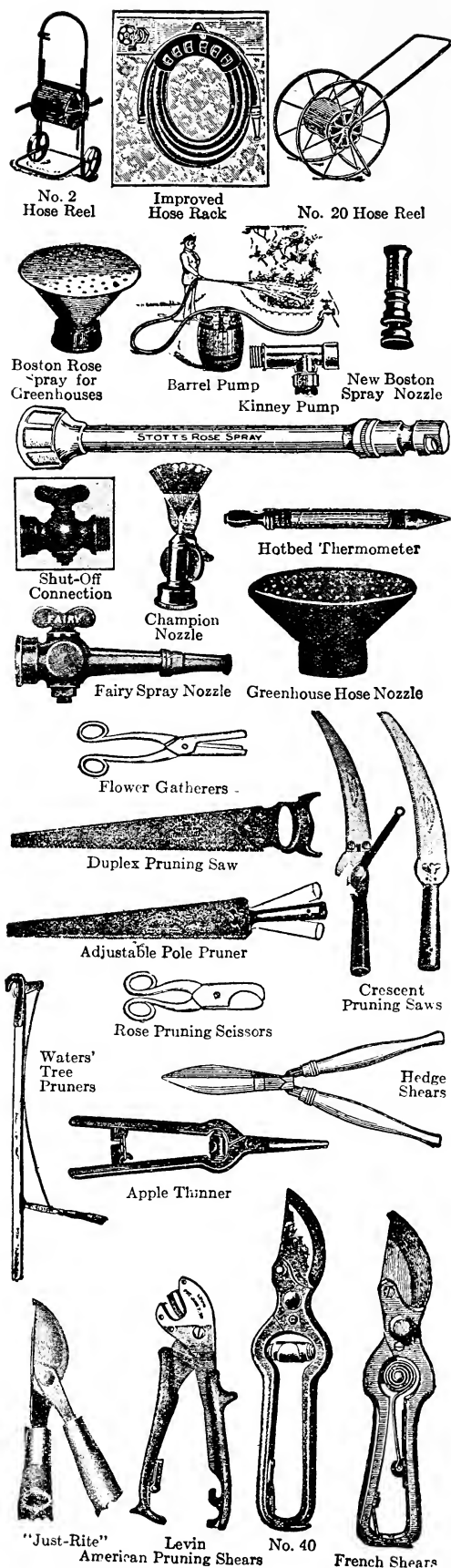
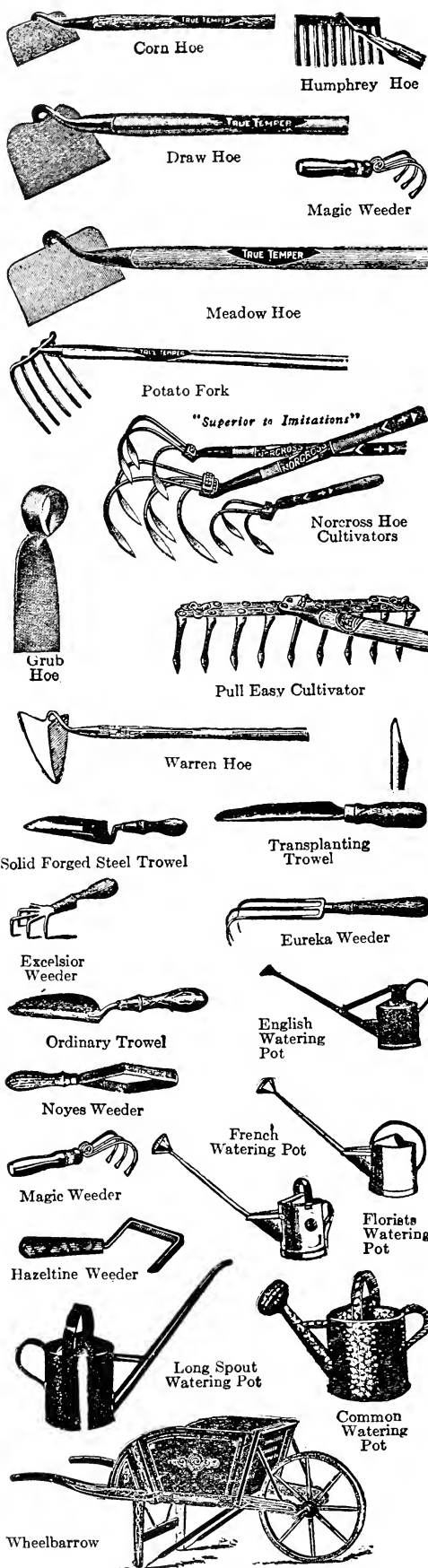
Spade



Line
Reel

Round Tapering Plant Stakes

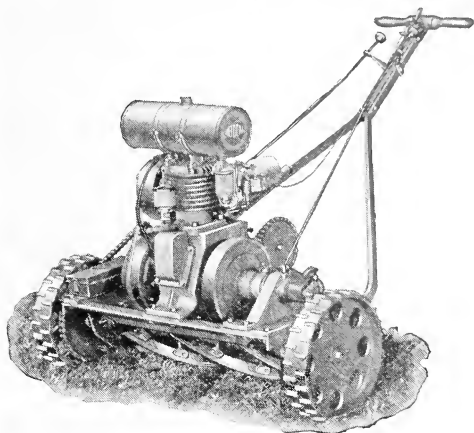
Grass Shears



Ideal Power Lawn Mowers

Real Lawn Builders and Labor Savers

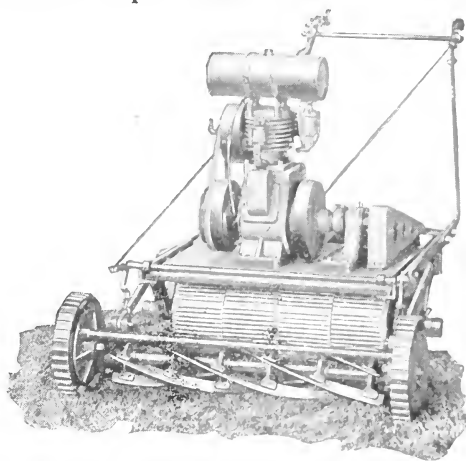
The New 1931 Models with Latest Improvements



Plenty of
Power

Easy to
Handle

Long
Lived



Ideal Wheel Type Power Mowers

The Wheel Type Ideals are furnished in two models—Ideal "Twenty" and Ideal "Twenty-five."

The 1931 wheel type mowers are moderately light in weight, have power-driven reel, are very flexible, have a wide range of speed, and are exceptionally easy to handle.

Wheel type mowers are best suited to work on lawns where there is a large amount of trimming around trees, shrubbery, walks, etc., and for use in cemeteries and on lawns where there are real steep hill-sides to be mowed.

Clutch and throttle controls conveniently located on mower handle, and automobile type differential in wheels permit easy turning. Separate clutches for reel and drive wheels.

Powered with the new 1931 Ideal Engine, the "Twenty" and "Twenty-five" have surplus power for extra heavy work. They are sturdy, simple and absolutely reliable in every detail. Fully guaranteed.

SPECIFICATIONS

Ideal "Twenty"

Width of cut—20 inches.
Capacity—1 to 3 acres per day.
Motor—4-cycle, air-cooled, bore 3 inches, stroke 3 inches, flywheel magneto.
Cutting Reel—5-blade, 5-inch diameter.
Net weight—275 lbs.
Price delivered\$195.00
Extra for Grass Catcher 4.00
Extra for Pneumatic Tire Riding Trailer 35.00
(Just one model "Twenty" machine, having double clutch).

Ideal "Twenty-five"

Width of cut—25 inches.
Capacity—4 to 6 acres per day.
Motor—4-cycle, air-cooled, bore 3 inches, stroke 3 inches, flywheel magneto.
Cutting Reel—5-blade, 5-inch diameter.
Net Weight—295 lbs.
Price delivered\$275.00
Extra for Grass Catcher 5.00
Extra for Pneumatic Tired Riding Trailer ... 35.00

Ideal Roller Type Power Mowers

The Roller Type Ideals are furnished in two models—Ideal "Twenty-two" and Ideal "Thirty."

The 1931 models have a number of very important mechanical improvements. They are equipped with a new engine of the latest and most modern design, and the complete frame assembly is sturdier and more perfectly balanced.

For the care of large lawns where the rolling feature is desired, these mowers have no superior. Because of the flexibility of the cutting unit they will do a better job of cutting on a new or rough lawn than any other type of mower built, and on the fine lawns they will do an absolutely smooth cutting job. Cutting unit easily lifted off ground.

The new engines are throttle control, and they have plenty of power and pep to wade through tough cutting and climb ordinary grades with ease. Fully guaranteed.

SPECIFICATIONS

Ideal "Twenty-two"

Width of cut—22 inches.
Capacity—3 to 4 acres per day.
Motor—4-cycle, air-cooled, bore 3 inches, stroke 3 inches, flywheel magneto.
Cutting Unit—Bulldog type "H. B.", 5-blade.
Net Weight—455 lbs.
Price delivered\$245.00
Extra for Grass Catcher 7.50
Extra for Pneumatic Tired Riding Trailer ... 35.00

Ideal "Thirty"

Width of cut—30 inches.
Capacity—5 to 7 acres per day.
Motor—4-cycle, air-cooled, bore 3 inches, stroke 3 3/4 inches, flywheel magneto.
Cutting Unit—Bulldog type "H. A.", 5-blade.
Net Weight—600 lbs.
Price delivered\$360.00
Extra for Grass Catcher 10.00
Extra for Pneumatic Tired Riding Trailer ... 35.00

Ideal Roller Greens Mower

The lightest and easiest running putting green mower on the market, and a mower that will do an absolutely smooth, clean job of cutting on the very finest of greens.

Drive rollers and side frames of aluminum. Drive rollers are machine turned absolutely round. Ball bearings used throughout. Alemite pressure lubrication. Mower easily sharpened by removing cap from side frame and reversing motion of the reel by means of small crank furnished with each mower.

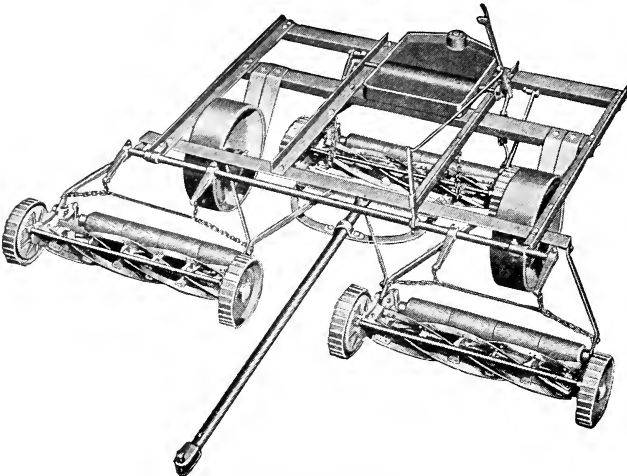
Width of cut—18 inches. Adjustment—Simple and easily accessible. Grass catcher and deflector; all metal construction.

47 lbs. without grass catcher and deflector.

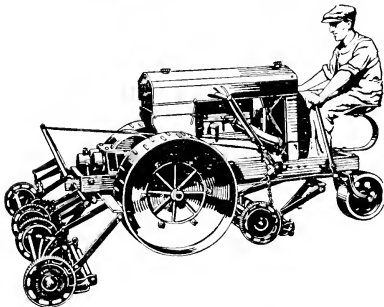
54 lbs. with catcher and deflector.

Price, mower only.....\$62.00
Rubber Tired Carrier for transporting..... 4.50
Grass Catcher and Deflector..... 6.50

Ideal Bulldog Tractor and Horse Drawn Gang Mower



The Ideal Triplex



For the largest grass areas. Has 84-inch cut. Capacity, 3 to 4 acres per hour. Powerful slow speed, 4-cylinder motor, foot throttle control. Steered by its own power. Handles easily and trims neatly around trees, etc. Fastest large mower built.

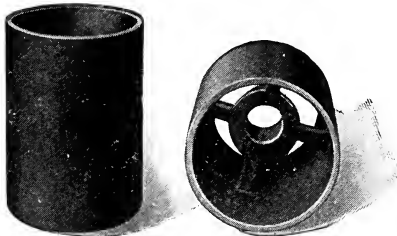
Price, f. o. b. factory.....	\$1,200.00
Extra 8-inch Extension Rims.....	50.00
Extra Rubber Tire Attachment for moving long distances	125.00
Extra for Snow Plow Attachment.....	145.00

Easy Lawn Mower

This mower cuts very close to walks, walls and fences. Fine for mounds and terraces. A great labor-saver in cutting and trimming bunkers on Golf Links. Will save the price of the mower in a short time if used on bunker work alone.

10-inch	\$18.00	12-inch	\$21.00
14-inch	24.00	16-inch	27.00

Cast Iron Hole Rims



An indestructible one-piece all cast rim that remains round and true. 1 1/4-inch ferrule opening with wide opening for quick drainage. Eliminates the annoyance encountered with the ordinary sheet metal rims. Price, each, \$1.25.

For mowing large grass areas and golf fairways, large parks, cemetery developments, etc. Ideal Bulldog gang mowers are built in two sizes for use with tractor or in case of the three unit machine, also as horse drawn mower.

The five unit size cuts a swath of 138 inches and is designed to use with satisfactory tractor and recommended for the 18-hole golf course and similar large grass areas.

The three unit mower cuts a swath of 84 inches and is provided with tractor hitch or as a horse drawn mower with thills for one horse or pole for team. A splendid outfit for the average 9-hole golf course, park or new cemetery development.

A feature of these Bulldog mowers is their sturdy construction and close coupled compact cutting units that stand up and give long service in heavy duty mowing.

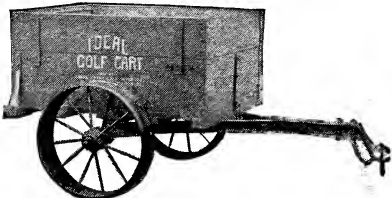
Price, 5-unit mower complete, f. o. b. factory, \$595.00.

Extra Units, each, f. o. b. factory, \$86.00.

Price, 3-unit mower complete, f. o. b. factory, \$370.00.

Extra Units, each, f. o. b. factory, \$86.00.

Ideal Golf Cart



The Ideal Cart is an indispensable tool around the golf course and also a handy implement for the park superintendent or for use around the cemetery, subdivision developments or any place where a quick dumping, big capacity tractor drawn cart is needed.

Its well-made hardwood body is mounted on an all-steel chassis having wide 10-inch faced wheels that are 36 inches high and permit the box dumping at a very sharp angle for unloading.

Cart is supplied with high grade roller bearings.

Specifications

Capacity, 30 cubic feet; box 24x44x52.

Wheels, 36 inches high, 10-inch crown rim; weighs 650 pounds.

Price, f. o. b. factory.....\$110.00

Kemp's Soil Shredder

Makes a perfect top dressing. Will reduce cost down to 30c per cubic yard over the old screen method of \$4.00 to \$5.00 per cubic yard. Will pay more than its cost the first year. Ask for booklet and prices.

Any kind of soil, sod, clay or manure can be shredded to just the right mixture.

Equipped with gasoline or electric motors.

No. 1 Electric	\$260.00	No. 2 Electric	\$400.00
No. 1 Gas	260.00	No. 2 Gas	400.00
Extra for Screen..	65.00	Extra for Screen..	65.00

Golf Flags and Poles

High grade basswood flag poles, tapered to 1/2-inch top, bottom 1 1/16 inch. Metal ferrule top and bottom.

Ideal Flag Poles.....\$1.50

Golf flags made from double navy warp wool bunting, muslin numbers.

Furnished in white with red numbers—red with white or black numbers—orange with black or white numbers.

Set numbered 1 to 9\$ 8.00

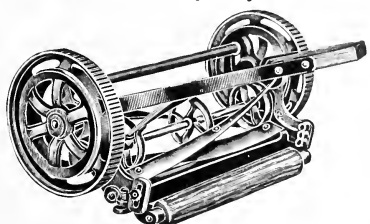
Set numbered 1 to 18 15.00

Direction flags furnished in following colors: Red, white, orange, blue, green, canary, each, 75c.

Triangle shape flags in red, white, orange, blue, green, canary, each, 60c.

Automatic

Automobile Quality Fafnir Ball Bearings

**Automatically Adjusted**

Four Drawcut Blades, Skeleton Frame and Wheels. 10-Inch Wheels. Crucible Steel Drawcut Wiper Blades. Stationary Knife, Automatically Sharp.

ened, Adjusting Screws Will Not Loosen, Roller Brackets Will Not Break.

Lawn Mowers

Price List—1931

Special Yankee

10-inch, 8-inch wheel, 3 blades	\$ 6.50
12-inch, 8-inch wheel, 3 blades	6.90

Cadet

12-inch, 8-inch wheel, 3 blades	6.90
---------------------------------	------

Drawcut Special

14-inch, 9-inch wheel, 4 blades	9.00
16-inch, 9-inch wheel, 4 blades	9.75

Lakewood

14-inch, 9-inch wheel, 4 blades	10.50
16-inch, 9-inch wheel, 4 blades	11.25

Automatic

12-inch, 10-inch wheel, 4 blades	11.50
14-inch, 10-inch wheel, 4 blades	12.00
16-inch, 10-inch wheel, 4 blades	12.50

Great American (or Forrest City)

15-inch, 10-inch wheel, 5 blades	18.00
17-inch, 10-inch wheel, 5 blades	20.00
19-inch, 10-inch wheel, 5 blades	22.00

Putting Green (Roller Type)

18-inch, 10-inch wheel, 7 blades	62.00
----------------------------------	-------

Hercules (Timken & Hyatt Roller Bearings)

16-inch, 10-inch wheel, 4 blades	25.00
18-inch, 10-inch wheel, 4 blades	27.00

"Easy" Lawn Mower

10-inch, reel drive, 4 blades	18.00
12-inch, reel drive, 4 blades	21.00
14-inch, reel drive, 4 blades	24.00
16-inch, reel drive, 4 blades	27.00

Universal Trimmer

8-inch	9.00
--------	------

Coldwell Trimmer

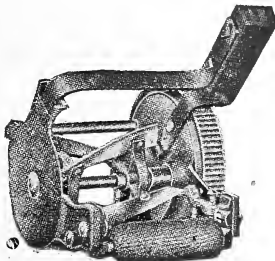
8-inch	10.75
--------	-------

Grass Catchers "Braun"

17-inch	3.50
19-inch	4.50

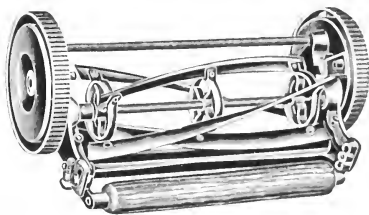
Grass Catchers

Grass Catchers	1.00
Grass Catchers	1.25

Lawn Trimmer

For trimming around walks, flower beds, trees, post, monuments and shrubbery, and all places that cannot be reached with any lawn mower. Cuts within one-fourth of an inch of the edge.

Has a revolving cutter with four crucible steel blades, tempered in oil and cut six inches wide. Price\$9.00

Drawcut Special**High Wheel**

Nine-Inch Wheels, Four Drawcut Blades, Self-Adjusting Ball Bearings, Dust Proof Oil Cups.

Horse Lawn Mower

Pennsylvania Standard or Regular Style

25-in. Pony, with wooden rear roller (draw cylinder bale only)	4-blade \$ 60.00
30-in. with draw bale only	100.00
30-in. with seats and shafts	120.00
38-in. with draw bale only	130.00
38-in. with seats and shafts	155.00

Water Weight Lawn Roller

Price List—1931

No. 2 Plain-bearing, size 14x24

Weight empty	68 lbs.	Weight filled	200 lbs.
Price			\$12.50

No. 2 Plain-bearing, size 18x24

Weight empty	82 lbs.	Weight filled	300 lbs.
Price			\$15.00

No. 7 Roller-bearing, size 24x24

Weight empty	95 lbs.	Weight filled	500 lbs.
Price			\$21.50

The Hawks Ferti-Spreader

For Applying Commercial Fertilizer

Quick—Efficient—Economical
Large Capacity

Width of cylinders, 20 in. Diameter of inside cylinder, 10 in. Capacity, approximately 50 lbs. Shipping weight, about 35 lbs.

Price	\$15.00
-------	---------

Hofmann Junior Lime Sower

and Plant Food Distributor

For Lawn, Golf Course and Garden Service.

Price	\$26.00
Seeder Attachment	3.75

"Little Wonder" Hedge Trimmer
30-Inch Size, \$27.00

The Little Wonder Hedge Trimmer cuts every variety of hedge grown, five or ten times as fast as by hand.

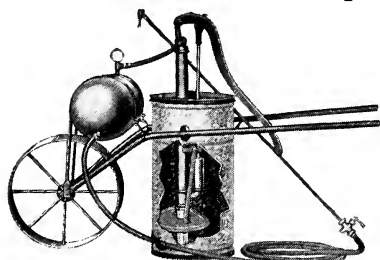
Will trim a hedge to any shape and cut wanted, various attachments and adjustments being provided for each type.

Cuts sides of square or pivot top hedges 10 feet high with the operators standing on the ground.



Prices Subject to Change Without Notice

Hudson Ideal Sprayer



ing clogging even with solutions like whitewash, cold water paint, etc.

The Ideal is a high pressure, portable outfit. It is an exceptionally handy outfit for the orchardist or fruit grower, stock barns, cattle pens, poultry houses, etc., and is a practical outfit for whitewash and cold water paint, etc.

Capacity, 15 gallons. Equipment consists of 12½ feet of ½-inch spray hose, an 8-foot iron pipe extension, brass leakless shut-off valve and Ideal angle spray nozzle.

No. 33-S Ideal. Complete\$36.00
No. 32-S Ideal. Less pressure tank and gauge. 24.00

Hudson Compressed Air Sprayers

Hudson Jr. Sprayer, \$5.00

Is ideal for the yard, garden or small truck farm; for poultry house, dairy, hog pen, stable, etc.

Junior Galvanized Sprayer, 2½ gals.\$5.00

Hudson Perfection Sprayer, \$7.00



Especially adapted for applying whitewash, cold water paints, floor oils, varnishes, shingle stain. For removing old wall paper, re-sizing walls, etc. Used in the orchard, truck garden, potato and tobacco fields, dairies, hog pens, poultry houses, etc.

Fine for washing your autos, windows, sprinkling lawns or in emergencies to extinguish small fires.

Perfection Galvanized Sprayer, 4 gals., \$7.00.

We also carry a complete line of everything in larger sizes of spraying machines, also in the smaller sizes—not indicated above.

Hudson Favorite Sprayer, \$6.00

This sprayer is especially adapted for the garden, small truck farm, poultry house, the dairy, hog pen, etc.

Favorite Galvanized Sprayer, 4 gal.\$6.00
Hudson and Brown nozzles interchangeable.

Extra Equipment

Extension Pipe—2 ft.	\$0.50	Auto-Pop .....	.60
Elbow extension ...	.35	Auto-Pop including nozzle	1.50
Strainer	1.20	Auto-Pop with hose and fittings	2.00
Strainer .....	.70	Set soft parts .....	.25
2-Row Attachment..	1.50	Torch	1.20
Stop-Cock .....	.50		
BAMBOO EXTENSIONS—Brass Lined			
8 ft.	\$3.50	12 ft.	4.30
9 ft.	3.70	20 ft.	6.00
10 ft.	3.90		

Miscellaneous

NOZZLES

Non-Clog Junior	1-Point Vermorel ..	.75
Brass. Either straight or 45-degree angle	Auto-Spray Nozzle ..	.60
	Bordeaux Nozzle ...	.60

Hudson Barrel Sprayer with Truck

Sprayer with agitator and one lead of 6 feet of ¾-inch spray hose and nozzle.

With barrel (50 gallons), No. 4 C-S\$40.00

Hudson Eureka Sprayer

Holds 50-gal. 200-lb. pressure tank. Mounted on big wheel trucks. Price, \$50.00.

Brown Compressed Air Sprayers

Auto-Spray No. 9

Capacity about 3½ Gallons

This is the strongest and simplest compressed air sprayer on the market.

Auto-Spray No. 9B—Brass tank 9.75
Auto-Spray No. 9D—Galvanized tank 6.75

Auto-Spray No. 1

Auto-Spray No. 1A—Brass\$ 9.25

Auto-Spray No. 1B—Brass 9.75

Auto-Spray No. 1C—Galvanized 6.25

Auto-Spray No. 1D—Galvanized 6.75

Auto-Spray No. 100

Auto-Spray No. 100B—Brass tank 11.00

Auto-Spray No. 100D—Galvanized tank 7.25

Victory No. 201-D

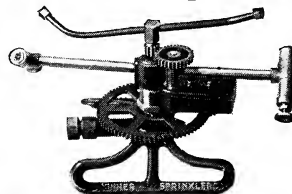
Victory No. 201D—Galvanized tank 5.85

Auto-Spray No. 50

Auto-Spray No. 50B—Brass tank 8.35

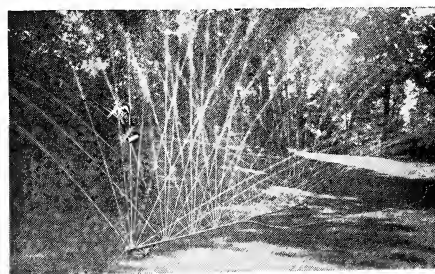
Auto-Spray No. 50D—Galvanized tank 5.90

Roto-Rain Sprinkler



This powerful large area sprinkler is particularly adapted to the watering of golf greens and large lawns. The large nozzles are quickly and easily adjusted to spray any size circle from 20 ft. to 80 ft. in diameter. Price, \$15.75, postpaid.

Famous Peacock Sprinkler



These sprinklers are made in two lengths—12½ ft. and 7 ft., called Peacock Sr. and Peacock Jr. Shipped carefully crated and ready to use. Always sent by express. Prices, \$15.00 and \$8.50, f. o. b. Syracuse.

Price List

The Tu-Way	\$ 1.30
Grass Grower	2.25
Roto-Rain	15.75
Lawn Life Sprinkler	1.10
The Sod-Soaker	4.90
Famous Peacock	\$8.50 and 15.00
Rain King Sprinkler	3.50

Write Us for Information Concerning
**Skinner System Overhead and
Concealed Irrigation**

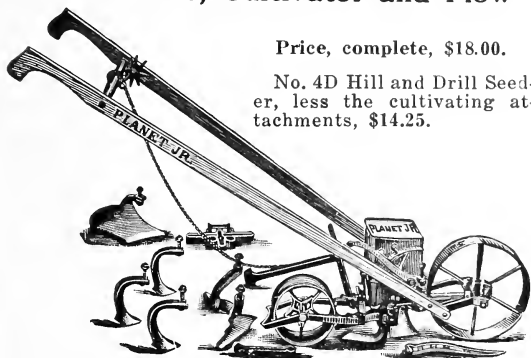
Planet Jr.

Seed Drills and Fertilizer Distributors

No. 4 Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

Price, complete, \$18.00.

No. 4D Hill and Drill Seeder, less the cultivating attachments, \$14.25.



This accurate, durable and easy-running tool sows all garden seeds from the smallest up to peas and beans in hills 4, 6, 8, 12 or 24 inches apart, or in drills at the proper thickness and depth; rolling down and marking out the next row all at one passage. No time is lost. No seed wasted. Change from seeder to wheel hoe is made quickly. Makes the care of a garden a pleasure as well as very profitable. Can be used successfully by men, women or growing boys.

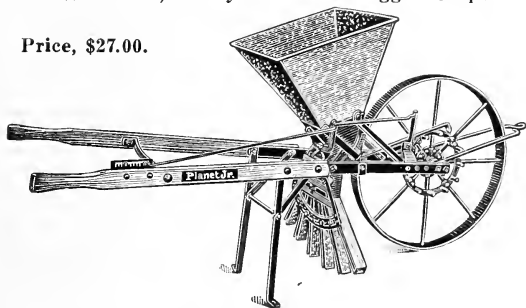
No. 3 Hill and Drill Seeder Only

Mechanical features similar to Nos. 4 and 25. Large 15-inch steel wheel and roller wheel make it particularly valuable to large grower. Capacity, 3 quarts, positive shut off and index on right hand handle. Weight, packed, 49 lbs. Price, \$17.50.

No. 220 Fertilizer Distributor

Saves Time, Money—Produces Bigger Crops

Price, \$27.00.



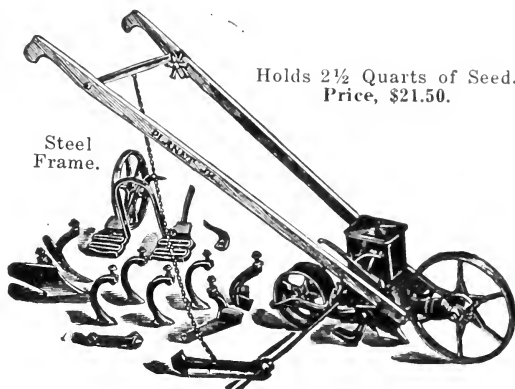
The No. 220 spreads fertilizer from 4 to 30 inches on the ground. The hopper capacity is one bushel and the weight of the load is placed over the wheel, making it easy to push.

The No. 220 will distribute fertilizer in the middles of three rows 12 to 14 inches apart; it will side-dress one side each of two rows up to 36 inches apart. You can use it in very narrow rows—as close as 9 inches. You can use it in 42- to 48-inch rows by closing off the flow in three spouts and distributing through the other three—either on the right or left hand side.

The simplicity, efficiency, and long wearing qualities of the No. 220 will appeal to everyone. No chains, gears, or canvas belts to break, rust, tear or stick.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double and Single Wheel Hoe, Cultivator and Plow

Holds 2½ Quarts of Seed.
Price, \$21.50.

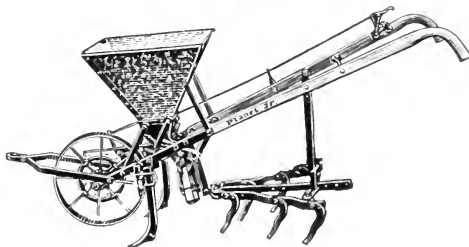


Has the same simple, accurate seeding device as the No. 4, but as a wheel hoe can be used with either one or two wheels. It is especially suitable for the larger family garden where the rows are long enough to warrant the use of a double wheel hoe. Straddles the row in crops like beets, carrots, beans, peas, lettuce, onions, radish, spinach, etc., during the entire season, permitting closer, cleaner work. Tools especially designed and oil-tempered.

Planet Jr. Combination Cultivator and Fertilizer Distributor

For Golf Greens, Parks, Lawns, Cemeteries, etc.

Price, \$45.00.



No. 230 Fertilizer Distributor

This combined distributor and cultivator eliminates two complete operations. It opens the furrow, accurately distributes fertilizer in the furrow and then thoroughly stirs it into the soil. When there is much side-dressing to be done, this distributor will pay for itself in a few working hours as it cuts labor and time one-third.

Planet Jr.

Wheel Hoes, Horse Hoes and Motor Cultivators

Single Wheel Hoes are the most popular hand cultivating tools for general work. They have a great variety of attachments which adapt them to almost any kind of garden work. They are generally used between rows, but by mounting the wheel on the other side of the arm, can be used to hoe both sides at once, while plants are small.

No. 17 Planet Jr. Single Wheel Hoe

Price, \$7.75.
Steel Frame and Wheel

No. 17½—Less Plow
Price, \$6.75.



No. 18 Planet Jr. Single, same as No. 17, less plow and teeth, \$5.75.

The same as the above except having double wheels.

No. 12 Combined Double and Single Wheel Hoe, Cultivator and Plow. Steel Frame, 14-inch Steel Wheels. Price, \$10.75.

No. 13. Same as No. 12, but with side hoes only, \$8.00.

No. 9 Planet Jr. Horse Hoe and Cultivator. Price, \$14.25.

No. 9E. Same as No. 9, less 6-inch Hillers and one 7-inch shovel steel. Price, \$13.00.

No. 82. 7-tooth Horse Hoe and Cultivator; will cultivate 42-inch row at one passage. Price, \$15.75.

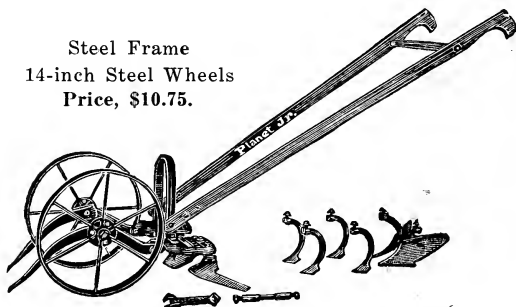
No. 82E. 7-tooth, same as No. 82, less 6-inch Hillers and 7-inch shovel steel. \$14.50.

No. 101. Cultivator only, 5-tooth, \$11.00.

No. 91. 12-tooth Harrow for early cultivation and strawberries, \$13.00.

No. 12 Combined Double and Single Wheel Hoe, Cultivator and Plow

Steel Frame
14-inch Steel Wheels
Price, \$10.75.



A double and single wheel hoe in one, with high arch so that crops can be straddled until 20 inches high—quicker and cleaner work. May then be used between the rows with one or two wheels.

The New Planet Jr. "Speedhoe"

WEEDS—MULCHES—CULTIVATES

Quickly, Easily and Thoroughly

The Planet Jr. No. 35 Seeder Attachment can be used on the "Speedhoe." With it you have a complete garden outfit for a small garden.

The "Speedhoe" is made in three sizes:

8-inch	\$8.25
10-inch	8.75
12-inch	9.75

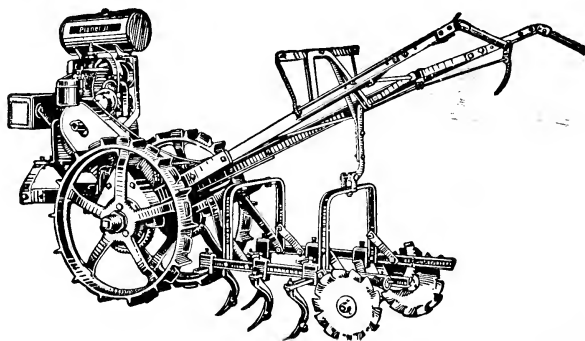
Planet Jr. Motor Cultivator

Model A. T. 2-Horse Toro Motor, complete with cultivating equipment. Price, \$331.00.

Model A. B. 1-Horse Briggs-Stratton Motor, complete with cultivating equipment. Price, \$264.00.

We can arrange for easy time payment plant. Ask for special catalog and terms.

The Planet Jr. Motor Cultivator is built to do a wider range of work, to do faster and better cultivation, to work more easily, and to afford greater economy. Extra weight together with ample power make possible heavy cultivation and real plowing, a 1-inch mouldboard plow being readily handled. Patented steering control which works like a horse cultivator (pressing on the right handle to turn to the right, etc.), makes possible fine, close cultivation, and more rapid cultivation with less effort than has been possible before. Many mechanical refinements such as Alemite lubrication, ratchet differential in the wheels, multiple disc clutch, easily changed and adjusted tool clamps and holders, Bosch magneto, ball bearings on clutch shaft, etc., add to its adaptability, durability and efficiency.



Planet Jr. Motor Cultivator.

Special Announcement

REMOVAL SALE

Owing to our being obliged to vacate our warehouse which has been acquired by the N. Y. C. R. R. Co. for their new depot, we are offering our full line of implements, tools and machinery at SPECIAL PRICES to save expense of moving them.

Farmers and gardeners can now buy these at money saving prices.

These high grade tools are all new, except for a few which are somewhat used.

These were made by leading manufacturers like John Deere, Emerson-Brantingham, International, Champion, James, Syracuse, Munnsville, Dutton, etc.

Also Incubators, Brooders, etc. All Poultry Fixtures.

 **Credit Terms Can Be Arranged.**

*List
of
Tools
in our
Warehouse
at
805-807
Erie Blvd.
and
538-540
Canal Street
Syracuse, N. Y.*

*Free and Safe
Parking at all Times*

One Emerson-Brantingham 5 ft. Cut Mower.
One Nonpareil Sower.
Two Bullock All-Wood Hay Tedders.
Two E. B. No. 15, Cylinder Hay Loaders.
Two O. K. Champion Potato Planters.
Seven O. K. Champion Potato Diggers.
One Ohio Pulverizer.
One 23 Spring Tooth Harrow.
One 10 section Spring Tooth Harrow.
Three 17 Tooth E. B. Spring Tooth Harrows.
One 25 Tooth E. B. Spring Tooth Harrows.
One Wood Frame Perry Spring Tooth Harrow.
One E. Q. Dutton No. 2E Plow.
One E. Q. Dutton No. 2E Plow Steel Beam.
One No. 10 Munnsville Plow.
One 2 section Steel Land Roller.
One McCormick Spring Tooth Harrow.
One John Deere Walking Cultivator.
One John Deere 5 ft. Mower.
One McGill Auto Power Attachment for Ford Cars
One Darnell Furrower and Marker.
Two Nye 2 tine Grappling Forks.
Two Nye 3 tine Grappling Forks.
One Myers 3 tine Grappling Fork.
Three 2 ft., 10 inch Double Harpoon Forks (Myers).
Two 3 ft. Double Harpoon Forks (Myers).
Seven 3½ ft. Double Harpoon Forks (Myers).
One 4 ft. Double Harpoon Fork (Myers).
One 3½ ft. Double Harpoon Fork (Myers).
One Chicopee Corn Sheller.
One John Deere Plant Setter, less tank.
One 7 ft. Eureka 1 Horse Weeder.
One 8 ft. Henry & Allen 1 Horse Weeder.
Four Ney Hay Slings.
One Red Cross End Gate Fertilizer Distributor.
One grindstone.
One Deering Hay Tedder.
One 3 Horse Gas Engine.
One Barrel Spray Pump.
Two 15 ft. Can't Sag Gates.
One 14 ft. Can't Sag Gate.
One Renfrew Portable Weighing Scales.
One Set of 3 Knee Moravia Bobs.
One pair Oscillating Bobs.
One 60 gal. Gasoline Tank, Galvanized Iron.
One Webber Fanning Mill.
300 ft. of Chain Ladder.
Five Queen Coal-Burning Brooders, 52 inch Canopy,
500 Chicks.
Six Reliable Coal-Burning Brooders, 42 inch Canopy,
350 Chicks.
Ten Hamilton Galvanized Iron Chicken Coops.
Quantity of Union Lock Fence, 2 and 3 ft.
New Beeman Garden Tractor No. 426. Hy-Wheel with
Trailer, Lugs and Cultivating Tools. \$420.00.
Junior New Beeman Garden Tractor. \$250.00.
Suitable credit terms can be arranged for if desired
on any tools listed in our catalog.

F. H. EBELING, Syracuse, New York

Retail Store, 217 South Warren Street
Branch Store and Warehouse, 538-540 Canal Street and 805-807 Erie Boulevard

Clark

"CUTAWAY"

Double Action Disc Harrow

Once going over is equal to four times with a Single Disc Harrow. It's a wonder in making a perfect seed bed.

A-4 Double Action Cutaway, 2-horse hitch	....\$70.00
A-5 Double Action Cutaway, 4-horse hitch	.... 85.00
A-6 Double Action Cutaway, 4-horse hitch	.... 95.00

Masters Plant Setter

A wonderful labor-saving tool for transplanting Cabbage, Tobacco, Sweet Potato, Cauliflower, Egg-plant, Strawberry and all similar plants.

Each plant is set, watered and covered in one operation. The roots are firmly set by the absorption of the water almost as if they had grown there and every plant will grow even in the hottest, dryest weather. You can set your plants just when you are ready, regardless of the weather.

It is easy, pleasant work. You can set 8,000 to 15,000 plants per day and do perfect work.

A LABOR SAVER

Price, \$65.00.

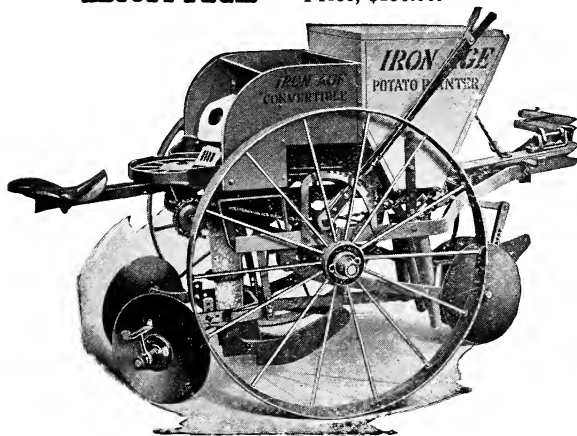
John Deere No. 999 Corn Planter

The Accurate "Natural Drop" Planter

Field tests have proved that the John Deere No. 999 Planter is accurate. Change in drop to 2, 3 or 4 kernels per hill can be made instantly without stopping the team, and drill distances can be varied just as easily. Special plates for a great variety of seeds. Price, \$115.00 complete. Less Fertilizer attachment, \$90.00.

IRON AGE Potato Planter

Price, \$150.00.



Onion Set Planter

Backaches and heartaches were once thought necessary evils at planting time, but not any more. With S. & H. One-Row Set Onion Planter one man can plant an acre per day.

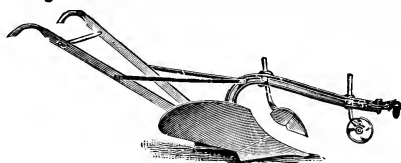
One-row, \$68.00; two-row, \$125.00; three-row, \$185.00.

Wheelbarrow Seeders

With Steel Frame

They can be worked by any one who can run a wheelbarrow. Price, 14-ft., \$14.00; 16-ft., \$16.00.

Syracuse Chilled Plows



Steel Beam

Syracuse chilled plows are regarded as the highest grade chilled plows made. They are steady running, easily handled and have superior turning qualities.

No. 52-L Wood Beam, 1-horse, wheel only	....\$19.00
No. 401, cuts furrow 12 to 15 inches wide, 5 to 8 inches deep	..... 28.00
No. 402, cuts furrow 11 to 13 inches wide, 5 to 7 inches deep	..... 27.00
No. 403, cuts furrow 9 to 12 inches wide, 4 to 6 inches deep	..... 26.00

Special cash discount on Syracuse Plows.

Munnsville Plows

No. 10 Steel Plow	.....\$27.00
No. 5 Steel Plow	..... 25.00
No. 2½ Steel 1-horse	..... 22.00
No. 2½ Chilled 1-horse	..... 20.00

Dutton Steel and Chilled Plows

The Best Low-Priced Plow on the Market

Dutton Iron Beam No. 2	.....\$23.00
Dutton Steel Beam No. 2	..... 25.00

John Deere Two-Way Sulky Plow

Just the plow you need for work on hillsides as well as on level fields and in stony land. Wide tread prevents tipping. Each bottom is independent of the other, with separate depth adjusting lever and lifting device. Your choice of four types of bottoms. Price, \$100.00.

With Roller Coulter and Jointer Complete.

12-bottom	.....\$90.00
14-bottom	..... 90.00

Meyer Auto Snow Plow

Standard Model	.....\$95.00
Sidewalk Plow	..... 75.00
Speed Plow	..... 65.00
Hand Snow Plow	..... 9.00

Harrows

30-tooth peg, 1-section Harrow	.....\$12.00
50-tooth peg, 2-section Harrow	..... 23.00
60-tooth peg, 2-section Harrow	..... 25.00
15-tooth, spring Tooth Harrow	..... 28.00
17-tooth, spring Tooth Harrow	..... 30.00
23-tooth, spring Tooth Harrow	..... 40.00
25-tooth, spring Tooth Harrow	..... 43.00

Less 10% discount for cash on these harrows.

John Deere Single Disc Harrows

MODEL "B"—THREE-LEVER

Flexible, with Spring Pressure Lever, Hard Oilers and Scrapers, Without Weight Boxes

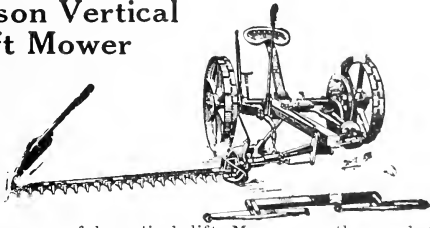
No. BY416—8, 16-in. discs, cuts 4 feet, 2-horse evened and pole, each	.....\$50.00
No. BY516—10, 16-in. discs, cuts 5 feet, 2-horse evened and pole, each	..... 55.00
No. BY616—12, 16-in. discs, cuts 6 feet, 3-horse evened and pole, with set over irons, each	.... 62.00

Double Disc Harrows

16, 16-in. discs, cuts 4 feet, 4-horse evened	..\$100.00
20, 16-in. discs, cuts 5 feet, 4-horse evened	.. 110.00
24, 16-in. discs, cuts 6 feet, 4-horse evened	.. 120.00

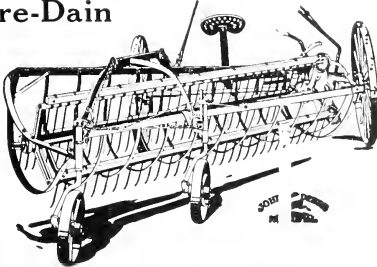
Less special discount for cash.

Emerson Vertical Lift Mower



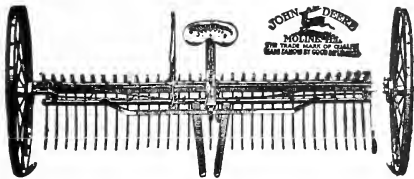
The only successful vertical lift Mower on the market. The main frame is one solid, unyielding piece of iron. This insures perfect meshing of the gears and holds all parts securely in place.

John Deere-Dain System Rake



THE RAKE WITH THE INCLINED FRAME, VERTICAL LIFT AND CONVENIENT LEVERS.

The rake that enables you to make higher price hay by curing it "Nature's Way"—air-curing it.



Self Dump Steel Horse Rake, made in 8-, 9-, 10- and 12-foot, 20 to 40 teeth. Get our prices before buying.

Martin Ditchers and Graders

Are in Use in Every Country in the World Wherever Ditching, Terracing or Grading is Done.

BUILT FOR HORSE OR TRACTOR

"No Soil Too Tough"

Model 20—2 to 4 horses or tractor, wt. 379 lbs.\$78.00
Model 20A—7 ft. cutting blade, 4 to 6 horses or tractor, weight 422 lbs. 90.00
Model 20B—2 to 3 horses or tractor, wt. 331 lbs. 75.00
S-cats are extra for any model, wt. 15 lbs. 3.75
Road Drag and Snow Blade for any model, extra 10.00

Double Cylinder Hay Loaders

The Double Cylinder Hay Loader successfully handles anything from the lightest swath to the heaviest windrow. The rear or gathering cylinder is far enough back of the frame to get all the hay, but still leave the trash. This cylinder moves slowly, thereby handling the hay without damaging the foliage.

John Deere Corn Binders

Corn Binder with Pole Attachment, 3-horse Evener and Power Bundle Carrier\$225.00
Corn Binder with Pole Attachment, 3-horse Evener less Power Bundle Carrier 215.00
Corn Binder with Tongue Truck, 3-horse Evener and Power Bundle Carrier 250.00
Corn Binder with Tongue Truck, 3-horse Evener, less Power Bundle Carrier 230.00
GOOD MACHINERY MAKES A GOOD FARMER BETTER.
SPECIAL PRICES FOR CASH ON ALL MACHINERY.
READ PAGE 53. YOU WILL BE INTERESTED.

Single and Double Disc Drill

For more than half a century these drills have stood for the best in drill construction and have been the leaders. From the first, all effort has been two-fold—first to make a perfect seeding machine and second, to construct the machine so as to give long life and constant service. These Drills today fulfill this ideal. Ask for prices.

Acme Pulverizing Harrow

STANDARD 2-ROW RIDING HARROW

For Two Horses, cuts 6 ft. 6 in.\$30.00
For Two Horses, cuts 8 ft. 6 in. 38.00

Land Rollers

Steel Roller, 24-inch, two sections\$50.00
24-inch, three sections, steel 50.00
Wood Stave Roller, two sections 50.00

Improved Corn Marker

Marks any width row and any depth desired.
Three-row Marker for two horses\$18.00

Nonpareil Salt, Lime and Fertilizer Broadcasters

This Broadcaster will sow Lime, Salt, Plaster and Ashes; they also handle perfectly all kinds of fertilizers. Quantity can be changed instantly by one lever in center of hopper.

10-bu. size\$55.00
15-bu. size 58.00

New Idea Spreader

This Wagon Style of Manure Spreader will go through gates, barn doors, stables, etc. Easy to load. Easy to haul. The best, lowest in price, most durable Manure Spreader on the market.

50-bu. size\$150.00
70-bu. size 170.00

Cross Endgate Spreader

Fits any wagon box 42 inches or less in width. Will spread from 150 lbs. up to 5 tons to the acre. Has a spread of about 20 feet. Sows all fertilizers—lime, limestone (wet or dry). Weight 150 lbs. Price, \$40.00.

Thompson's Lime and Fertilizer Spreaders

FOR HAND USE

For Calcium, Chloride, Fertilizers, etc.\$48.00
112 Combination Distributor for lawn and garden..... 13.50
110 Spreader for lawn and golf course..... 25.00
108 Combination Distributor for gardens..... 22.50

O. K. Champion Two-Horse Elevator Potato Digger



THE NEW NO. 8 DIGGER has a wide throat which is a new departure in digger construction and exclusively used on our machine. We have sold nearly 600 of these wonderful Diggers in this vicinity.

No. 8 Digger\$110.00
No. 22 Potato Planter—Plain 75.00
No. 22 Potato Planter—with Fertilizer Attachment ... 102.00
Two-Row O. K. Twin Potato Planter—Plain 162.00
Two-Row O. K. Twin Planter—with Fertilizer Attachment 192.00
Four-Row Sprayer 120.00

Meridian Hay Racks

Manufactured of selected lumber and well bolted.

16-foot\$24.00
14-foot 22.00

Iron Hog Troughs

Made in four sizes, 3-, 4-, 5-, and 6-foot—8 inches deep—12 inches wide. Price, \$1.50 per foot.

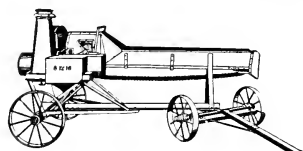
Our Improved Slip Castings

Set of Shoes\$5.00

Steel or Iron Stone Boat Heads

A Simple, Complete and Inexpensive device whereby a Stone Boat can be made in a few minutes by using straight plank. One head will last for years. Price, \$6.50 each.

Ross Ensilage Cutters and Silo Fillers



Thirty feet of 6¼-inch pipe and set extra knives with each machine.

No. 2 knives ..\$285.00
No. 3 knives .. 300.00
No. 4 knives .. 315.00

Mastica for Glazing Greenhouses, Sashes

Elastic, adhesive and easily applied. It is not affected by dampness, heat or cold.

The use of "Mastica" avoids the necessity of repeatedly reglazing the houses, saving much time and expense.

Broken glass can be easily removed and replaced by new without the breakage of other glass. One gallon will cover about 290 running feet (one side).

Price of Mastica, ¼ gal., 75c; ½ gal., \$1.45; gal., \$2.75.



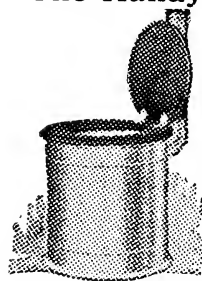
**Mastica
Glazing
Machine**
Price
\$3.50

The Handy Chemical Commode

Protects Health—Improves the Home

The country home and the out-house which have been linked together for centuries are now breaking company.

The home which is not yet ready to invest in a permanent toilet system can, for a very small sum, have our Handy Indoor Commode Toilet. Price, \$9.50.



One package chemical, 10 to 15 weeks' supply, complete in crate.

Link Chain Ladder

This is formed by steel links or rounds hooked together, making a ladder of any length. Can be attached to the cross-beam in barn and to floor. Price per link of 16 inches, 20c. Each link is equal to 16 inches of ladder.

Farmer's Favorite Cookers

Size boiler	Size Fire Box	Price
No. 2—30 gal. 22x24x13½	24 inches	\$17.00
No. 3—40 gal. 22x30x14	30 inches	19.00
No. 4—50 gal. 22x26x15	36 inches	21.00
No. 5—75 gal. 22x48x17	48 inches	25.00
No. 6—100 gal. 22x60x17	48 inches	26.00

Grindstones

Sterling Grindstone	\$11.00
Sampson No. 1 Grindstone	9.50
Sampson No. 2 Grindstone	9.00
Sampson No. 3 Grindstone	8.75

Ney Reversible Hay Carrier

For Either Steel or Wood Track

Light and Durable, Runs Either Way on the Track Without Changing

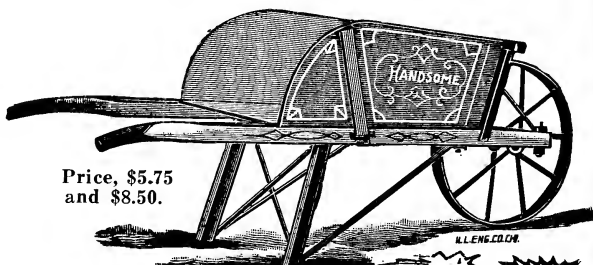
Thousands of Ney's No. 5 Carriers have been in continuous service for 35 years or more and are still doing their work perfectly. After 35 years of service the above carrier is greatly in demand by the public.

Price

Ney Hay Car, steel or wood track	\$ 9.00
No. 270 Car, open throat	11.00
Double Harpoon Forks	2.50
Double Harpoon Alfalfa Fork	5.00
Grapple Forks, 4 tine	10.00
Steel Track, per foot .....	.24
Pulleys in Wood and Iron, each .....	.50c to 1.75
Track Eyes, dozen	2.25
Brackets, dozen .....	.90
Floor Hooks, each .....	.20
Tedder Teeth, each .....	.40
Horse Rake Teeth .....	.40
Rope, best Manila, at lowest prices	
All Steel Hay Tedder	\$60.00 and 70.00
Wood Hay Tedders	40.00
Steel Horse Rake	\$40.00 to 50.00

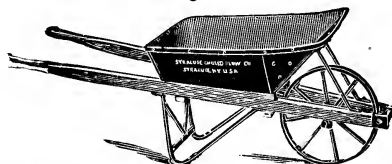
We carry Haying Tools of all kinds, also Teeth for all Rakes and Tedders.

Garden Barrows



Price, \$5.75
and \$8.50.

Steel Tray Barrows



Deep Steel Tray, No. 75-A \$8.50. We also offer The Common Wood or Paddy Barrow, \$5.00 to \$5.75.

A Combination Tool

7 TOOLS IN ONE PLYERS

Price, \$1.75.

Saves time and wages; saves cutting hand; saves your temper, and it saves chasing cattle. You need one. Write now. It's only \$1.75.

Sickle Grinders

Sickle Grinder \$6.50 || With foot power | 8.50 |

The great time and labor saver. Saves horse power and lengthens the life of machinery.

Supplies for the Dairymen

Milk Caps

Per thousand	\$0.60
5,000 for	2.50
Dairy Scales	\$4.00 to 5.50
Platform Scales	\$25.00 to 50.00

MILKING TUBES, 35c to \$1.50

The Boston Milking Tube .....	.35
Teat Dilators	Each .15
Sanitary Milk Pails	\$1.50 to 3.50
Pint Dippers .....	.75
Quart Dippers .....	.90
Strainers	\$2.50 to 3.00
Tin Milk Pails, all sizes .....	.75c to 2.50
Aerators	\$10.00, \$12.00 15.00
Sap Buckets .....	.30
Sap Spouts at .....	.5c each..

Rice's Calf Weaner and Sucking Cow Muzzle



For preventing Calves and Cows sucking themselves or each other.

No. 1—For Calves, till 1 year old, 75c.

No. 2—From 1 to 2 years old, 80c.

No. 3—For full grown animals and self-suckers, 85c.

West Bend Watering Systems



West Bend Automatic Detachable Drinking Bucket, each with fastener

West Bend Strainer, each..

No. 1 Water Buckets, 9½x8x7, each with clip (gravity)

2.55

No. 2 Water Buckets, 18x10x7, each with clip (gravity)

3.25

Governing Tank with float and cover, each

9.45

West Bend - Pine Tree - Babson Stanchions and Stable Equipment

No. 1 Steel Wood Lined Adjustable Stanchion with plain hangers	\$5.50
No. 7 Steel Wood Lined Adjustable Swivel Hanging Stanchion	4.15
No. 7 Stanchion, not wood lined	3.80
No. 2 Wood Bar Chain Hanging Stanchion	3.30
No. 5 Adjustable Chain Hanging Steel Pipe Bull Stanchion	8.50

Crumb Stanchions. The best made wood stanchion on the market. We have sold them for many years. Each..... 3.00

Champion Milk Cooler Aerators

Automatic, Simple, Efficient, Durable

2—18 quarts, 10 to 25 cows, 3 milkers	\$ 7.00
3—34 quarts, 25 to 50 cows, 5 milkers	8.50
4—52 quarts, 50 to 100 cows, 8 milkers	11.00

Barrel Churns

No. 0— 4 gal., churns 2 gal.	\$ 7.00
No. 1—10 gal., churns 5 gal.	8.00
No. 2—15 gal., churns 8 gal.	9.00
No. 3—20 gal., churns 10 gal.	10.00
No. 4—25 gal., churns 12 gal.	13.00

Cows' Relief

We offer this wonderful remedy and recommend it strongly.

O. H. Cows' Relief, large, per box	\$1.25
O. H. Cows' Relief, small, per box .....	.60
O. H. Cow Tone, large, per box	1.25
O. H. Cow Tone, small, per box .....	.60
O. H. Cow Tone, 25-pound box	5.00
O. H. Cow Tone, 50-pound box	8.50
O. H. Calves' Cordial, per box .....	.60
Sheep Dip	\$1.00 and 2.00

Stock Labels

Punches and Registers for Marking Cattle, Sheep and Hogs

No. 1½ or Large Cattle Labels—	
Per doz.	\$0.75
Per 100	4.00
Per 1000	35.00
Spring Punch for above Labels	1.75
No. 1¾ or Light Cattle Labels—	
Per doz. ....	.60
Per 100	3.00
Per 1000	28.00
Spring punch for above Labels	1.50
No. 1 or Sheep and Hog Labels—	
Per doz. ....	.40
Per 100	2.00
Spring Punch for above Labels	1.25
Bull Nose Punch	1.50
Bull Nose Rings .....	.35c to 1.75

Hog Rings, Hog Ringer, Hog Tongs

Hog Rings, per Box	\$0.35
Hog Ringer .....	.50
Hog Tongs .....	.75

Banner Root Cutter

Hand and Power

Has a capacity of 30 to 100 bushels per hour. One bushel per minute has been cut as a test, many times.

No. 7—For Poultry

No. 20—Hand Power

No. 16—Pulley and crank

Mann's Bone Cutter

The only practical Bone Cutter—hand or power. We have sold these for about fifty years. Guaranteed in every way.

No. 5C—With Crank Handle

No. 5B—With Balance Wheel

No. 7 —With Balance Wheel and Iron Stand ..

No. 7½—Hand and Power

No. 9 —Hand and Power

No. 11 —Power Machine

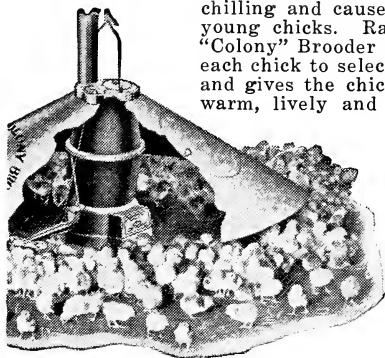
Buckeye Incubators for Bigger Hatches of Better Chicks

No. 65—75 Eggs	\$18.50
No. 66—143 Eggs with Automatic Egg Turners	39.50
No. 67—286 Eggs with Automatic Egg Turners	57.75
No. 68—416 Eggs with Automatic Egg Turners	76.50
No. 69—576 Eggs with Automatic Egg Turners	97.50

Coal-Burning Colony Buckeye Brooders

The Buckeye is the original "Colony" Brooder. Previous to its development brooders were built with closed brooding chambers

which made temperature regulation practically impossible, resulted in over-heating or chilling and caused untold losses due to the development of bowel and lung troubles in young chicks. Raising 50% of the hatch was considered a good result. The Buckeye "Colony" Brooder absolutely eliminates these troubles. It radiates heat from above, allows each chick to select the temperature it finds most comfortable, prevents crowding or chilling and gives the chicks an ample supply of pure, fresh air at all times. It keeps the chicks warm, lively and contented in any weather, prevents sickness, insures rapid growth—raises every raisable chick into a big, strong, money-making bird.



No. 117 Coal Brooder	\$15.00
No. 118 Coal Brooder	17.50
No. 119 Coal Brooder	22.50
No. 120 Coal Brooder (new size)	26.50
No. 103 Rite Heat Brooder	29.50
No. 104 Rite Heat Brooder	33.00

Newtown Coal-Burning Brooders

No. 36. Capacity 350 Chicks	\$14.00
No. 35. Capacity 500 Chicks	17.50
No. 39. Capacity 1000 Chicks	21.00

Newtown Electric Brooders

No. 51. Capacity 50 Chicks	\$14.50
No. 52. Capacity 100 Chicks	19.75
No. 53. Capacity 200 Chicks	24.75
No. 54. Capacity 300 Chicks	29.50

Buckeye Electric Brooders

No. 90	\$14.50	No. 92	\$24.75
No. 91	19.75	No. 93	29.50

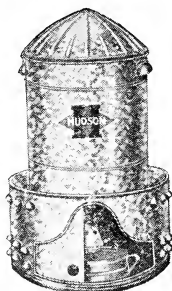
Buckeye Blue Flame Oil Brooders

No. 27A	\$14.50	No. 80	\$15.50
No. 29A	18.50	No. 81	16.50

Hudson Combination Fountain Heater and Waterer

The finest for year-round use. Made of best galvanized steel. Lamp burns ordinary kerosene. Operates thirty hours on one filling. Chicks can drink all around the fount.

No. 15. Less Lamp	\$4.65
No. 16. With Lamp	5.85



DOUGLASTON



Breeds
S. C. R. I. Reds
S. C. W. Leg-
horns
B. P. Rocks

Grades
Certified
Supervised
Commercial

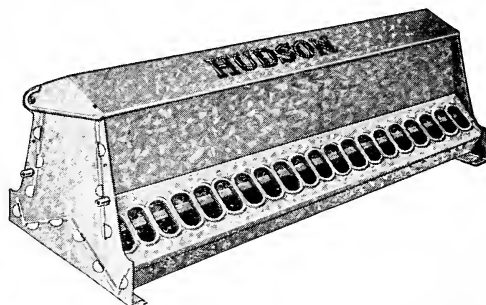
Our connections with this Breeder Hatchery affords our customers an excellent opportunity to purchase quality chicks bred properly. A guarantee of 100% live delivery, absolute freedom from B. W. D. and complete satisfaction goes with every order. Shipment of chicks will be made direct from farm. Place all orders with our store.

Prices per 100 on Commercial Chicks

	Reds	Leghorns	Rocks
February	\$18.00	\$17.00	\$18.00
March	18.00	16.00	19.00
April	19.00	16.00	20.00
May	17.00	15.00	17.00
June	16.00	14.00	16.00

Prices on Certified and Supervised Chicks and large orders on request. Booklet available. Anticipate your demands. **Order early.**

Hudson Growing Chick Feeders



A large capacity feeder for baby chicks and growing birds. Hopper 4 inches wide at top, 5 inches wide at bottom. Tapering, widened bottom hopper does not permit feed to bridge or clog. 9½ inches wide.

	Price
CR21 Feeder. Length, 21 inches	\$1.00
CR24 Feeder. Length, 24 inches	1.25
CR36 Feeder. Length, 36 inches	1.75
CR48 Feeder. Length, 48 inches	2.25

POULTRY SUPPLIES

Ful-o-Pep Scratch Grain
Ful-o-Pep Coarse Chick
Grain
Ful-o-Pep Fine Chick Grain

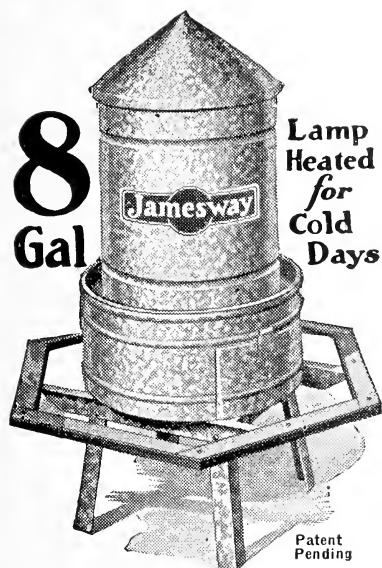
Ful-o-Pep Laying Mash
Ful-o-Pep Growing Mash
Ful-o-Pep Chick Starter

Alfalfa Meal
Beef Scraps
Bone Meal
Buttermilk Semi-
solid
Charcoal
Grit
Salt Grit
Oster Shell
Shavings baled

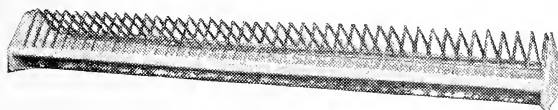
Straw, baled
Bone Cutters
Brooders
Boxes, Grit and
Shell
Corn Shellers
Candle, Sulphur
for Fumigating
Drinking Founts
Egg Cartons

Eggs, Porcelain
Nest
Eggs, Medicated
Food Hoppers
Incubators
Leg Bands
Roosting Paper
Spray Pumps
Thermometers

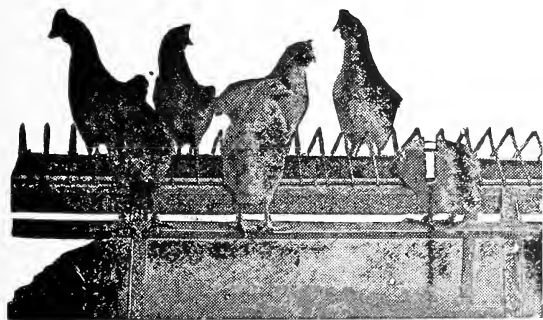
The Place To Buy
Jamesway
 Poultry Equipment

**DROPPINGS BOARD SCRAPERS**

Constructed to hug the droppings board and remove all the dirt. Can be pulled toward you or shoved away from you. Keen scraping edge. 18-inch blade.
 No. 540A. Price.....\$1.25

**CLEAN FEED CHICK TROUGH**

Made of galvanized heavy sheet steel 44 inches long—6½ inches wide. Can also be bought with a special feed saving guard.
 No. 600B without guard.....\$1.95
 No. CB601 with guard..... 2.25

**HUDSON OPEN MASH FEEDER—FOR WET AND DRY MASH AND GREEN FEED**

For feeding dry or wet mash and green feeds. Wire guards save the mash. Hens cannot get into pan and waste feed. Guards tilt up for cleaning and filling the pan. The rust-resisting feed pan is made from heavy hot galvanized sheet steel, 10 inches wide, 5½ inches deep, and 60 inches long. Over all height, 26 inches with sturdy metal legs. Takes up no scratching room. Holds about 50 pounds of dry mash, keeping it always within easy reach of the hens.
 No. 4S reasonably priced at.....\$3.50

DUCK FEEDERS

Without legs or perches above feeder placed on ground makes a handy duck feeder. Can be used for hens, too.
 No. G4\$2.50

8-Gallon Waterer

(1) With a plain base and no heating arrangement, or (2) with a kerosene lamp in base for warming of water in winter. Can also be furnished with (3) an electric light socket for heating with an electric light bulb. (4) Used without base or stand as a range waterer for big flocks of baby chicks.

No. 516B Waterer with-out stand or base....\$5.00
 No. 513B Plain base (Stand extra) 5.90
 No. 512C Kerosene Lamp Heated (Stand extra). 7.90
 No. 514C Electric Bulb Heated (Stand extra). 8.75
 No. 585 Stand, well worth its extra cost.. 1.50

Steel Nests Made in 4 Sizes

No. 823B 3 Nest Unit (1 tier, 3 ft. long).....\$ 5.00
 No. 626D 6 Nest Unit (2 tiers, 3 ft. long)..... 8.25
 No. 630D 10 Nest Unit (2 tiers, 5 ft. long)..... 11.50
 No. 635A 15 Nest Unit (3 tiers, 5 ft. long)..... 16.00

Nest Stand and Rack

For poultry houses where nests cannot be hung on the walls. Nests hang on both sides of a galvanized steel sheet supported by pipe frame work.

No. 602 Stand for 2 No. 630D Nest Units.....\$ 9.00
 No. 603 Stand for 2 No. 635A Nest Units..... 10.00

The Place To Buy
Jamesway
 Poultry Equipment

**TRAP ATTACHMENT**

All Jamesway Nests are punched, so that traps may be added at any time. Trap attachment is positive in operation.

No. 831A very reasonable, each40c

HUDSON 3-GALLON GRAVITY WATERER FOR CHICKS

A labor saver that keeps chicks from getting soaked and chilled. No other waterer with all these desirable features.
 No. C3\$2.50

METAL EGG CRATES

1 doz. size	\$1.00	4 doz. size	2.00
2 doz. size	1.50	6 doz. size	2.50
3 doz. size	1.75	12 doz. size	4.00

CEL-O-GLASS. This wonderful invention has brought comfort and profit to the poultrymen.

In lots of 25 lineal ft. or less.....	15c	sq. ft.
In lots of 25 to 50 lineal ft. or less	14½c	sq. ft.
In lots of 50 to 100 lineal ft. or less.....	14c	sq. ft.
In full rolls (100 ft.).....	13½c	sq. ft.

GLASS CLOTH readily transmits the life-giving vitalizing ultra-violet rays of the sun. (Glass stops them). These are the health rays of sunlight and are absolutely needed by poultry in winter months. **GLASS CLOTH** sheds a warm, soft, even light full of violet rays to all parts of the enclosure. 35c per sq. yd.

PIGEON AND DOVE FEED

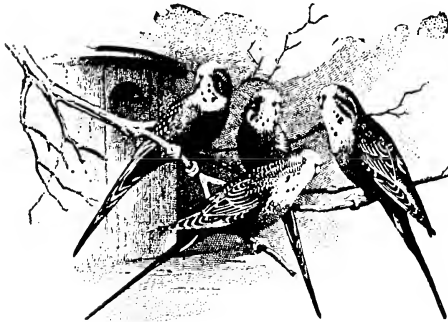
Price, per 100 lbs., \$3.75.

IDEAL POULTRY LITTER (Peat Moss—Medium Grade). Renew every six months. Its absorbing power equals 8 to 12 pounds of its specific weight. Prevents dampness, which causes most poultry diseases. Absorbs bad poultry house odors. Keeps hen houses warm in winter and cool in summer. Price per bale, \$1.50.

PRATT'S, CONKEY'S AND LEE'S REMEDIES

Roup Remedy	25c, 50c,	\$1.00
Cholera Remedy	25c,	50c
Gape Remedy	30c	
White Diarrhea Remedy	25c, 50c,	\$1.00
Canker and Bronchitis Remedy	50c	
Head Lice Ointment	25c,	50c
Condition Tablets	35c	
Bronchitis Remedy	25c,	50c
Scaly Leg Remedy	35c	
Worm Remedy	25c,	50c
Poultry Tonic	25c, 50c,	\$1.00
Lice Powder	25c,	50c
Poultry Disinfectant	55c, 95c,	\$1.60

Our Pet Department



HEADQUARTERS FOR

Bird and Animal Foods Remedies, Supplies and Accessories of All Kinds

Watch for our very interesting Window Display of Birds, Dogs, Cats and other Pets.

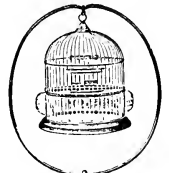
This department is in charge of Mr. A. B. Wheel, who is an authority on Birds and Pets. Consult him on the care of pets in health or sickness.

DEAR PATRONS

Every home owner should encourage the birds of the wild to make your home their home. It is a fascinating hobby—is not costly—provides a never-ending panorama of new experiences and is beneficial in the control of insect and vermin life in your garden.

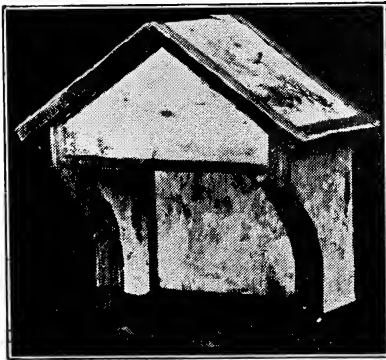
A few inexpensive bird houses tucked away in odd corners—under eaves, on a 7-foot pole, forming a central object in a flower bed, a bird bath to provide an early morning splash, possibly a winter feeding station for grains and bread crumbs and pieces of suet to tide them over during the winter months. If space allows, plant a few shrubs and trees to provide natural shelter—Elder, Bittersweet, Choke Cherry, Wild Grape, Mountain Ash, Sumac and even Sunflowers. Your thoughtfulness will be well repaid by our feathered friends in double measure.

Wild Bird Seed and Grain Mixture. Lb., 10c; 3 lbs., 25c.



Bird Houses, Bird Baths, Feeding Stations

Also All Kinds of Feeds, Remedies and Accessories Which
Attract Birds—Sold at Ebeling's



Everything for Birds can be procured at Ebeling's: Wren Houses, Blue Bird Houses, Robin Shelters, Bird Baths, Feeding Stations, Feeds, Remedies and other accessories.

Window Display. Watch our window for Attractive Displays of Birds, Cats, Dogs and other pets during the fall and winter.

Ebeling's Special Seed Mixture for Canaries and Cage Birds is unexcelled. 1 lb.\$0.20

Wheel's Seed Tonic and Song Restorer. Pkg.30

Red Mite Liquid. Bottle35

Ebeling's Special Parrot Mixture for Parrots, Macaws, Cockatoos, Lorries and the larger varieties of Parakeets and Love Birds, is made by our own specialists. It includes a variety of choice cleaned seeds and nuts that form a balanced diet. 2 lbs.25

Ebeling's Parakeet and Love Bird Mixture is especially compounded for the Australian Shell Parakeets and the small varieties of Love Birds. 1 lb.20

Washed Silver Sand, 2 lbs., 10c; 6 lbs.25

Ebeling's Special Canary Mixture..... .20

Plain Canary20

Hemp, 1 lb., 15c; 2 lbs.25

Wild-bird Seed and Grain Mixture, 1 lb., 10c; 3 lbs.25

Sweet German Rape..... .20

Sunflower, 1 lb., 18c; 2 lbs.35

Bird Millet, 1 lb.20

Unhulled Rice, 1 lb.05

Lettuce Seed, 1 oz.10

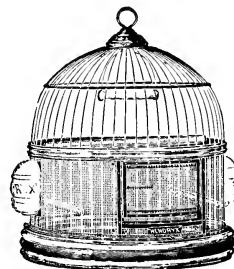
Bird Peppers, 1 oz.10

Washed Gravel, 2 lbs.10

Chinese Blue Maw, 1 lb.25

Cuttle Bone, large..... .05

A complete line of bathing dishes, bath houses and treat dishes, etc.



EVERYTHING for the FEATHERED TRIBE Birds, Bird Cages, Cage Stands

BRASS BIRD CAGES. \$2.50 and up.

BIRD CAGE STANDARDS. \$2.50 and up.

FULL CIRCLE CAGE STANDARDS WITH CAGE. \$6.50 and up.

HALF CIRCLE CAGE STANDARDS WITH CAGE. \$5.95 and up.

These are made up in very attractive and up-to-date designs in colors of Red, Green, Blue and brass.



YOUR DOG'S HEALTH
COMFORT AND HAPPINESS
DEPEND UPON
YOUR

Dog
Foods

SPRATT'S DOG FOODS have been standard throughout the world for over seventy years. They contain only the most nourishing ingredients combined in such a way as to form perfectly balanced rations.

Price List

	100 lbs.	50 lbs.	25 lbs.	1 lb.
Spratt's Dog Cakes	\$12.00	\$6.35	\$3.25	\$0.15
Spratt's Charcoal Ovals	14.00	7.25	3.75	.16
Spratt's Fibo (a granulated food)	14.00	7.25	3.75	.17
Spratt's Ovals (pocket biscuit)	14.00	7.25	3.75	.16
Spratt's Rodnim	13.00	6.75	3.50	.16
Spratt's Cod Liver Oil Cakes	12.00	6.25	3.25	.16
Spratt's Challenge Terrier Meal	10.00	5.25	2.75	.14
Old Trusty All Terrier	10.00	5.25	2.75	.14
Old Trusty Tid Bits	11.00	5.75	3.00	.15
Vitamine Bone	14.00	7.25	3.75	.17
Cero-Meato (a kibbled meat and cereal food especially good for active dogs)	8.00	4.25	2.25	.12
Chow Chow	10.00	5.25	2.75	.14
Gaines Dog Food (Meat Meal)	6.50	3.25	1.75	.08
Perfection Food (a low priced popular food)	6.00	3.00	1.75	.08

CHAPPELL BROS.' DOG FOOD.

Dog Crumbs	11.00	5.75	3.00	.15
Puppy Crumbs	11.00	5.75	3.00	.15

VITAMONT. A new balanced ration whose merits are fast making it one of the most popular on the market. Phone a trial order today.

1-lb. can	\$0.15
7 1-lb. cans	1.00
48 1-lb. cans (1 case)	6.00

HEMO-RATION is a blood-making food especially recommended for breeding animals of both sexes. For anemic or convalescent animals it is invaluable.

1-lb. can	\$0.15
7 1-lb. cans	1.00
48 1-lb. cans (1 case)	6.00

KEN-L-RATION is a complete food, requiring no preparation whatever. It is rich in meat, cereal, ground bone and cod liver oil.

1-lb. can	\$0.15
7 1-lb. cans	1.00
48 1-lb. cans (1 case)	6.00

DR. OLDING'S PET RATION. Prepared from beef, cereal and cod liver oil, for dogs, cats, and various animals.

1-lb. can	\$0.15
7 1-lb. cans	1.00
48 1-lb. cans (1 case)	6.00

PUP-E-RATION. Contains red meat, organic iron, calcium phosphate, Norwegian cod liver oil and marrow fat—the elements necessary for growth of body, bone and meat. A perfect food for puppies.

1-lb. can	\$0.15
7 1-lb. cans	1.00
48 1-lb. cans (1 case)	6.00



"A Friendly Group."

USE CED-O-GEN FOR YOUR DOG'S SAKE.

Ced-o-gen
IN ONE SPRAY
REGISTERED TRADE MARK

INSECTICIDE—KILLS FLEAS—DEODORANT
HEALTHFUL—DISINFECTANT—SAFE TO USE

Ced-O Products Corporation,

WE CARRY CED-O-GEN IN STOCK

Pint	\$0.75
Quart	1.25
Gallon	3.50

PURE CEDAR BEDDING

For Use With Dogs and Pets—A Preventative of Disease and Vermin.

25-lb. bale	\$2.25
50 lbs.	3.85
100 lbs.	6.75

PEAT LITTER

Fine, inexpensive, sanitary litter. For dogs, poultry and horses. 225-lb. bales at \$4.50 per bale.

Q-W-Dog Remedies

We have added Q-W Dog Remedies to our pet department through the high recommendation and persistent demands of local kennel operators.

Thousands of faithful, trusting dogs are killed every year by nasty shoddy drug dope cheaply thrown together by quacks who don't own a single dog. Poisonous messes made not for the dog, but merely for the dollar there is in them.

Your dog is helpless. He has to take whatever you give him. Why betray him in a cheap, catch penny, poisonous mess when you can give him a remedy as pure and wholesome as you would like him to give you.

Q-W MANGE AND FLEA SOAP. A wonderful sulpho-cresol cleanser, skin healer, vermin killer, for dogs, cats and all other animals. \$1.00.

Q-W CONDITION POWDER. Blood purifier, stomach cleanser, digestion corrective, bowel regulator. Puts and keeps dogs in condition. Gives pep, ginger. \$1.00.

Q-W MANGE CURE. Instantly stops the itch; quickly heals up mange, eczema and other skin eruptions on all domestic animals, grows luxuriant hair. \$1.00.

Q-W WORM EXPELLER. Expels in one hour all intestinal parasites from dogs, cats, foxes, rabbits, etc., including round, hook and seat worms. Quick, sure, safe. \$1.00.

Q-W TAPE WORM EXPELLER. Quickly eradicates tape worms, expels head (the important part) as well as segments. \$1.00.

Q-W LIQUID SULPHUR COMPOUND. For bathing dogs with itch, giving sulphur baths, cooling blood in eczema and giving dogs sulphur in their drinking water. \$1.00.

Q-W VERMINOL. Powerful disinfectant, germ and vermin killer, dog dip. Kills fleas, lice, mites instantly. Pt., \$1.25.

Q-W PHOSPHATED COD LIVER OIL COMPOUND WITH LIME. Quickest food builder for wasting diseases, distemper, rundown condition, rickets, etc. Marvelous bone grower for pups. Indispensable in kennel. Pt., \$1.25.

Q-W TONIC. Quick, sure pick-up tonic for anemic, rundown animals or humans. Valuable in distemper. \$1.00.

Q-W DESEROL. For the treatment of distemper, carrying animal safely through disease. \$2.00.

Q-W BLACK TONGUE MIXTURE. For prevention and cure of black tongue. \$2.00.

Q-W FLEA OIL AND COAT GROWER. For killing all vermin on dogs and other domestic animals without wetting, and keeping off flies, fleas, lice, etc. Instantly applied. Simply rub into coat. Pt., \$1.00.



Q-W CONSTIPATION PILLS. Quick, safe, laxative. No evil after effects. Splendid for humans, too. \$1.00.
Q-W SALICYLATE COMPOUND TABLETS. For rheumatism, stiff joints, partial paralysis and gout. \$1.00.
Q-W NERVE SEDATIVE TABLETS. For fits, convulsions and nervous dogs. Soothes nerves, kills pain, promotes sleep. \$1.25.
Q-W COUGH MIXTURE. For colds, coughs and all bronchial troubles. \$1.00.
Q-W DIARRHAEA AND DYSENTERY CURE. Stops loose bowels, soothes and heals inflamed intestines. \$1.25.
Q-W BREEDING TABLETS. For stimulating sexual powers in dogs. Makes males serve vigorously, brings backward bitches in season, induces conception. \$2.00.
Q-W EAR CANKER CURE. For internal sores, abscesses, cankers, etc., of the ear, causing dog to hold head on one side, scratch ear, etc. \$1.25.
Q-W FLEA POWDER. For dry-killing fleas on dogs, especially suited to small dogs and for use in winter. Per box, \$1.00.
Q-W ANTISEPTIC SALVE. The pride of the Q-W, a wonderful quick healer for all sores, cuts, tears, ulcers, cankers, rashes, blisters, sore footpads, etc. Fine for hunting dogs that get torn up. Good for other animals, too, and for humans. \$1.00.

Delcreo Dog Remedies



DELCREO. For distemper, black tongue, colds, pneumonia, diarrhoea and other diseases of germ origin. 4 ozs., \$1.50; 16 ozs., \$5.00.
DELCREO TONIC AND CONDITIONER. 2 ozs., 75c.
SOLUBLE SULPHUR COMPOUND. For canker of the ear, eczema, rheumatism, etc. Oz., 50c; 4 ozs., \$1.50.
SOLUBLE SULPHUR COMPOUND CAPSULES. A convenient form of Sulphur Compound. Box of 40 capsules, \$1.00.
SOLUBLE SULPHUR COMPOUND BATH. For fleas, mange, eczema, etc. An invigorating antiseptic bath liquid. 4 ozs., \$1.00.
SOLUBLE SULPHUR COMPOUND OINTMENT. For mange, wounds, cuts, sores, etc. A soothing and healing antiseptic salve. Oz., 50c; 4 ozs., \$1.00.
SULFMINOL. For general and chronic constipation. 4 ozs., 50c.
DELCREO DOG SOAP. For cleansing and stimulating the skin and coat. A pure neutral soap. 4-oz. cake, 25c.
DELCREO ROUNDWORM AND HOOKWORM CAPSULES. In three sizes—for large breeds, for small breeds and for small puppies and small toys. Box, 50c.
DELCREO LAXATIVE. Especially prepared for use with Delcreo Worm Capsules. 4 ozs., 35c.
DELCREO TAPEWORM TABLETS. Box, 75c.
DELCREO VERMIFUGE. To be used on tiny puppies, or very delicate dogs. Bottle, 60c.
DELCREO WORM CAPSULES. In puppy and toy dog size; also dog size. Box, 65c.

William Cooper's Remedies

COOPER'S KUR-MANGE. Kills lice and fleas. Cures mange. Kur-Mange is odorless, non-poisonous, in powder form, dissolves quickly. Used as a dip or wash on pet animals, dogs, cats, foxes and poultry. 75c.
COOPER'S SOPEX. Removes dirt, kills lice and fleas. A fine shampoo. Odorless, non-poisonous powder. 1-gal. pkg., 50c.
COOPER'S PULVEX. A lice and flea powder. Can be used as a dry dust for fleas, lice, etc., as owners often prefer to use it dry during cold weather. 2-oz. sifter top, 50c; \$1.25.
COOPER'S PINE OIL DISINFECTANT. 8 ozs., 50c; pt., \$1.00; gal., \$2.50.
SHO-FORM SOAP. 3 ozs., 35c; 8 ozs., 75c.
VITAKALK. For puppies. 4 ozs., 50c; lb., \$1.25; 2 lbs., \$2.00.

The Cat

LOVE YOUR PETS—FEED THEM WELL

Cats, to be a pleasure to look upon and to fill that friendly feeling in the mind and loving spot in the heart, must be in good health and form. Success with cats, whether for exhibition, breeding or home comfort, depends upon the condition in which they are kept and the care bestowed upon them. Exercise is especially necessary for cats in city homes, and the catnip ball is a desirable aid in this direction. The average life of the cat is from 12 to 15 years.
SPRATT'S CAT FOOD. With fish, meat or milk. Pkg., 30c.
SPRATT'S FIBO. Per pkg., 35c.
KIT-E-RATION. A perfectly balanced, well-liked food especially prepared for cats and kittens.

1-lb. can	\$0.15
7 1-lb. cans	1.00
6-oz. can .....	.10
6 6-oz. cans .....	.55
HEMO-RATION.	
1-lb. can	\$0.15
7 1-lb. cans	1.00
48 1-lb. cans (1 case)	6.00

USE FOLLOWING FOR CATS:

CED-O-GEN. Destroys vermin. Pt., 65c; qt., \$1.25.
LOOSE CATNIP. Pkt., 15c.
CATNIP BALL. 20c.
 (Free—Dr. Daniels' useful book on Cats).

Dr. A. C. Daniels' Remedies For Dogs, Puppies, Cats, Kittens

DANIVON. For vomiting, gastritis, diarrhoea, dysentery, stomatitis. 50c.
ACOBEL WAFERS. For puppies and cats. For treating colds, distemper and fevered conditions. 50c.
COUGH SYRUP. Dog or cat. For treating bronchitis, colds, distemper, influenza, sore throat. 65c.
CANKER REMEDY. Dog or Cat. See Germicidal Powder. 35c.
CALYCYTITIS. Dog or cat—for treating blinitis, cystitis, calculi, and certain urinary and bladder troubles. 65c.
CARBO-NEGUS. The cleansing and disinfecting liquid for animals, house, kennel. 35c.
CHOREA AND PAIN REMEDY. Dog or cat. For treating chorea, colic, convulsions, fits, cramps, gastritis. 50c.
DANILAX (Tasteless Laxative). Dog or cat. A liquid laxative for general use in relieving and regulating the bowels. 35c and 65c.
DERMITITE. Dog or cat. For certain forms of eczema and mange, inflamed and itching skin. \$1.00.
ASTRINGENT PILLS. Dog or cat. For diarrhoea and dysentery. 65c.
DISPO LIQUID. Dog or cat. For use in place of distemper tablets. \$1.00.
DISPO TABLETS. For dogs suffering from fevered conditions arising from colds, distemper and milk fever. 65c.
EMULSION. Dog or cat. For treatment of anemia, bronchitis, consumption, constipation, distemper, rickets, worms and general run-down conditions. 65c.
COLLYRINUM. With a bottle of Irest. For any animal. 50c.
FLECKO. A grooming and cleansing liquid. 35c and 65c.
GERMI. Canker remedy—dog or cat—for canker of the ear, common cuts, sores and wounds. 35c.
H. B. O. The famous Hairball Remedy for cats and kittens. 65c.
KATONIC. For cats and kittens. A tonic indicated in treatment of abortion, appetite, apoplexy, bronchocele, bronchitis, catarrh, colic, cough, cold, distemper, eczema, gastritis, gastric-enteritis, mange, neuralgia, pneumonia, rheumatism, ringworm, stomatitis, vomiting and worms. A tonic for general run-down condition and may be given freely. 25c.
LAXATIVE TABLETS. Dog or cat. For bilious conditions, constipation, poor appetite and certain liver, kidney and urinary troubles. 50c.
MANGE SALVE. Dog, cats or other animals. For the treatment of certain forms of mange, eczema and skin ills. 65c.
MANGE LIQUID-VOLITAR. A liquid mange preparation. For treating skin ills and mangy conditions of animals. Also a relief for fleas. 65c.
NASAL BALM. Dog or cat. For cold in the head, catarrh, distemper, relieving the dry and inflamed condition of the nasal passages. 35c.
DERVIDE FIT TABLETS. Dog or cat. For certain convulsions, eclampsia, epileptic fits, retention of urine and certain nervous conditions. 35c.
NEURHUE TABLETS. Dog or cat. Used in treatment of certain neuralgic and rheumatic pains, aches and swollen joints. 35c.
RESTORATIVE TABLETS. For dogs. A real condition pill. A tonic, to aid digestive or run-down condition. 65c.
SHO FORM SOAP. A positive killer of fleas and ticks. Jars, 35c and 75c.
SKIN OINTMENT. Dog or cat. An antiseptic salve for certain many conditions, eczema, and itching skin. 35c.
SULPHUR COMPOUND TABLETS. Dog or cat. A cooling remedy in eczema, itching skin, mangy conditions. 50c.
TONIC PILLS. A tonic medicine for puppies, small and toy dogs, cats and kittens in run-down condition. 65c.
V. M. CAPSULES. The vitamins for bone and muscle. 50c.
WORM DROP CAPSULES. For cats and toys. 65c.
WORM DROP LIQUID. Cats and kittens. 50c.
CATNIP BALL. In a package of Catnip. 15c.
CATNIP MOUSE (Kettlie's). Special catnip. 15c.
SUMMITT BRAND CATNIP AND HERBS. 15c.

SERVICE TO PET OWNERS

Boarding, Bathing, Manicuring, Clipping, Flea Treatments

Wheel's Kennel For Pets

316 North Collingwood Ave. Phone 5-7168

Practical advice and suggestions from a practical pet man, who is constantly in touch with your needs. Operating a sanitary and homelike kennel where dogs, cats, parrots and canaries are cared for and treated. When in trouble call at our pet department with your troubles. After business hours phone 5-7168.

P.S.—In order to complete our pet department we are co-operating in this effort to serve the public.—F. H. EBELING.

Tropical Fish Department

Of the essential requirements for an ideal living room, the first is a fireplace and a second an aquarium of goldfish, which adds beauty, color, motion and life that could be obtained in no other way.

A beautiful object in motion will attract and please quicker than a beautiful object which is inanimate. This is why goldfish with their brilliant colors contrasting with the green of plants, the white of shells or ornaments, and the crystal of the glass, add a charm to any room. Children always find goldfish a constant attraction and delight.

The wonderful thing in connection with this is that they are sold at reasonable prices. The settings can correspond to individual taste. The fish will do well if a few simple rules are followed.

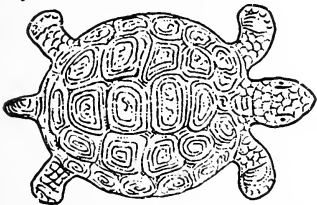
Advice as to the care of tropical and goldfish and aquariums cheerfully given at our pet department. We are sparing no expense to procure rare and unusual fish, birds and pets to interest Nature lovers. We especially encourage children visiting our pet department.

SNOW-WHITE SAND. For aquariums. Lb.\$0.05
SEA SHELLS. Assorted. Bag15
PEARL CHIPS. White and colored. Lb.10
ORNAMENTS of every description, including castles, artificial coral, decorated shells, fisher boys, mermaids, bathing girls, and countless other novelties.

FISH BOWLS—ROUND DRUM OR SQUAT STYLE

1-quart\$0.10 2-gallon\$0.90
2-quart20 3-gallon 2.00
1-gallon45

FLOATING THERMOMETERS.
AQUARIUM HEATERS.



Scavengers



Red Ramshorns. \$0.25
Japanese Live Bearing Snails. .15
Tadpoles10
News25
Baby Turtles25

PLANTS FOR AQUARIUMS

Cabomba. Bunch\$0.15
Vallisneria. Plant15
Anacharis. Bunch15

AQUARIUM TANKS

1½-gallon\$2.00 3-gallon\$5.00
2-gallon 4.00 4-gallon 6.00
Larger aquarium tanks in stock. Prices on application.
The finest assortment of aquariums in the city.

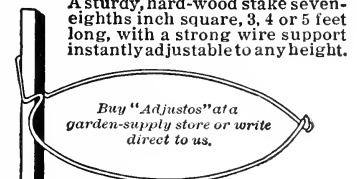
FLORISTS' SUNDRIES

Thermometers
Tin Foil
Green Moss
Raffia and Reed
Immortelles
Mastica
Plant Labels
Fumigators
Shears
Fine Cutlery
Flower Pot
Brackets
Bird Supplies
Bulb Syringes
Glazing Points
Flower Pots
Hyacinth Glasses
Hanging Baskets
Flower Supports
Plant Stands
Trellises
Scissors
Syringes for Plants
Lawn Seed and Fertilizers
Wire Plant Supports

WIRE HANGING BASKETS

Each
10 in.\$0.40
12 in.50
15 in.60
18 in.75

“ADJUSTO”
PLANT SUPPORTS

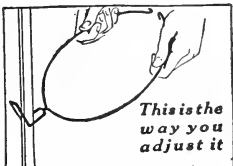


A sturdy, hard-wood stake seven-eighths inch square, 3, 4 or 5 feet long, with a strong wire support instantly adjustable to any height.

Buy “Adjustos” at a garden-supply store or write direct to us.

Saves space because it keeps your plants in the air and sun, and from the ground. Enables you to cultivate close to the plant. “Adjusto” supported tomatoes ripen to perfection. “Adjusto” supports bring out the full beauty of Dahlias, Chrysanthemums and all the slender, tall-growing varieties.

3-foot, 20c.
4-foot, 25c.



Flower Pots, Tubs, Crocks, Etc.

Full inside measurement. No charge for packing. Flower pots and bulb pans cannot be sent by mail, but only by express or freight, at customer's expense.

Size	Each	Doz.	100	Size	Each	Doz.	100
1¾ in.	\$0.03	\$0.25	\$1.25	6 in.	\$0.10	\$1.00	\$ 7.29
2 in. ....	.03	.25	1.25	7 in. ....	.17	1.70	12.15
2½ in. ....	.03	.25	1.35	8 in. ....	.25	2.50	17.76
3 in. ....	.03½	.30	1.75	9 in. ....	.40	3.75	27.00
3½ in. ....	.04	.35	2.25	10 in. ....	.50	5.00	36.45
4 in. ....	.05	.45	2.75	12 in.	1.00	9.90	74.25
5 in. ....	.07	.70	4.85	14 in.	1.50	16.20	121.50

FLOWER POT SAUCERS

Size	Each	Doz.	100	Size	Each	Doz.	100
3 in.	\$0.03	\$0.25	\$1.62	8 in.	\$0.10	\$1.00	\$ 7.43
4 in. ....	.03	.30	2.03	9 in. ....	.15	1.35	10.13
5 in. ....	.04	.35	2.70	10 in. ....	.18	1.75	12.15
6 in. ....	.05	.50	4.05	12 in. ....	.25	2.50	18.23
7 in. ....	.08	.75	5.40	14 in. ....	.35	4.00	30.38

ROUND BULB OR LILY PANS

Width	Height	Each	Doz.	100
3 in.	3 in.	\$0.05	\$ 0.40	\$ 2.70
5 in.	3 in. ....	.07	.70	4.85
6 in.	3½ in. ....	.10	1.00	7.35
7 in.	4 in. ....	.17	1.75	12.15
8 in.	4½ in. ....	.25	2.50	17.55
9 in.	5 in. ....	.40	4.00	27.00
10 in.	6 in. ....	.50	5.00	36.50
14 in.	7 in.	1.50	16.00	121.50

NEPONSET WATERPROOF PAPER FLOWER POTS

	Doz.	100	1000		Doz.	100	1000
2½ in.	\$0.11	\$0.50	\$ 4.40	4 in.	\$0.25	\$1.30	\$18.50
2¼ in. ....	.13	.60	5.00	5 in. ....	.30	2.00	28.50
3 in. ....	.18	.80	6.70	6 in. ....	.45	2.70	38.25
3½ in. ....	.20	1.00	9.00				

SIMPLEX WEATHER-PROOF PLANT LABELS WITH COPPER WIRES

Prices, Including Copper Wires for Attaching:

No.	1—3 x ¼ in.	Doz.	100
No. 2—4 x ¾ in.	\$0.50	\$3.00
No. 3—5 x 1 in.75	5.00
No. 10—2¾ x 1½ in.	1.00	7.00
No. 11—3 x 1½ in.25	2.75
No. 21—4 x ¾ in.30	3.25
No. 22—5 x ¾ in.30	1.95
No. 22—5 x ¾ in.45	3.00

REED—Retail Price List.

Oz.	¼ lb.	½ lb.	Lb.	Oz.	¼ lb.	½ lb.	Lb.
No. 1..\$0.10	\$0.40	\$0.70	\$1.20	No. 5..\$0.10	\$0.30	\$0.50	\$0.80
No. 2.. .10	.40	.65	1.10	No. 6.. .10	.25	.45	.70
No. 3.. .10	.35	.60	1.00	No. 7.. .10	.25	.40	.60
No. 4.. .10	.35	.55	.90				
Chaircane, 5 sizes.	\$1.25 to \$1.75 per bunch.						
Raffia, Natural, Oz., 10c.							
Raffia, Colors, Oz., 15c.							
Rattan, Oz., 10c; lb., \$1.00.							

WHITE OAK KEGS

Plain	Charred	Charred, Extra
	Free of Sap	Thick Staves
2 gal. ....\$1.60	2 gal. ....\$2.00	5 gal. ....\$3.50
3 gal. 2.00	3 gal. 2.25	10 gal. 4.50
5 gal. 2.60	5 gal. 3.00	15 gal. 4.90
10 gal. 3.10	10 gal. 3.50	20 gal. 5.65
15 gal. 3.50	15 gal. 4.00	25 gal. 6.50
20 gal. 4.00	20 gal. 4.50	30 gal. 7.50
25 gal. 4.90	25 gal. 5.40	50 gal. 9.75
30 gal. 5.25	30 gal. 5.75	
50 gal. 6.50	50 gal. 7.50	

FLOWER TUBS—ALL SIZES

\$1.25—\$1.50—\$1.75—\$2.00—\$2.50—\$3.50

Flower Pots	Fern Pans
Hanging Baskets	Lily Pans

CROCKS, JUGS AND JARS

CROCKS	COVERS	JUGS
1 gal. ....\$0.20	\$0.23	1 gal. ....\$0.25
2 gal. .... .40	.23	2 gal. .... .50
3 gal. .... .60	.30	3 gal. .... .75
4 gal. .... .80	.40	4 gal. 1.00
5 gal. 1.00	.45	5 gal. 1.25
6 gal. 1.20	.55	
8 gal. 1.70	.65	
10 gal. 2.20	.75	
12 gal. 2.64	.85	
15 gal. 3.60		
20 gal. 4.80		

BUTTER JARS

2-lb.\$0.15
3-lb. .... .17
5-lb.20

GALVANIZED WINDOW BOXES

In Various Styles and Sizes.

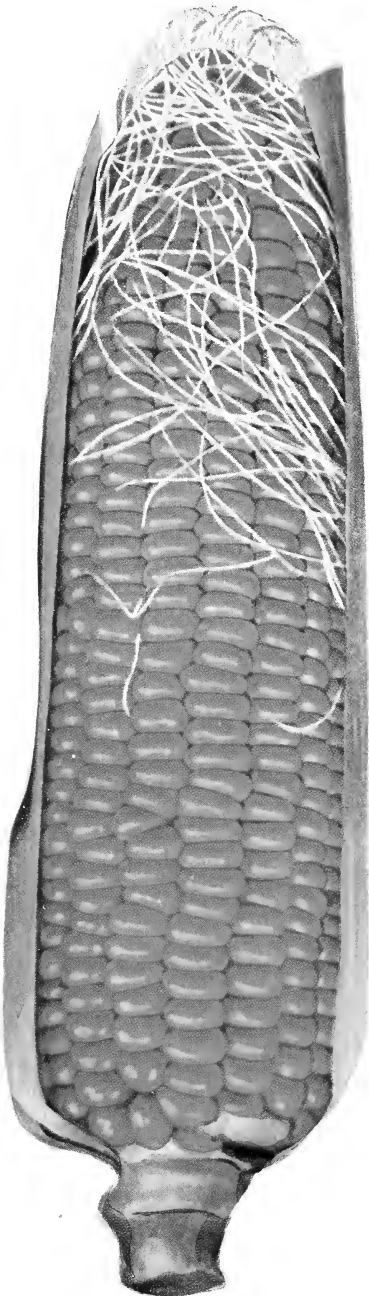
INDEX

Abutilon	2	Convolvulus	6	Hotkaps	16	Pincushion Flower	12	
Achillea	2	Corallibells	8	Humulus	8	Pinks	7	
Aconitum	2	Crocus	4, 6	Hunneania	8	Planter's Guide	33	
Acroclimium	2	Corn, Field	34	Iberis	5	Plant Labels	63	
Adlumia	2	Corn, Sweet	23, 24	Indian Shot	5	Plant List	15	
Adonis	2	Cornflower	5	Insecticides	43	Plant Supports	63	
African Daisy	3	Cornflower Aster	14	Ipomoea	6, 8	Platycodon	12	
African Golden Daisy	7	Cosmos	6	Ivy	3	Pop Corn	24	
Ageratum	2	Cress	24	Ivy, Kenilworth	9	Poppies	12	
Agrostemma	2	Cucumbers	24, 25	Japanese Bellflower	12	Poppy, California	7	
Alfalfa	37	Cultivators	51, 52	Japanese Hop	8	Poppy, Tulip	8	
Alkanet	3	Cup and Saucer Vine	6	Japanese Morning Glory	8	Portulaca	12	
Allegheny Vine	2	Cushion Pink	3	Jerusalem Cherry	13	Potatoes	30	
Alyssum	2	Cyclamen	6	Joseph's Coat	2	Pot Marigold	4	
Amaranthus	2	Cynoglossum	6	Kale	25	Poultry Supplies	58, 59	
Amaryllis	17	Cypress Vine	6	Kegs	63	Primrose	12	
Ammobium	3	Dahlia	6, 17	Kenilworth Ivy	9	Primula	12	
Ampelopsis	3	Dairy Supplies	57	Kochia	9	Pumpkin	30	
Anchusa	3	Daisy, African	3	Kohl-rabi	25	Pyrethrum	12	
Anemone	3	Daisy, African Golden	7	Lady Slipper	4	Radish	31	
Announcement	53	Daisy, English	4, 7	Lantana	9	Reed and Raffia	63	
Anthemis	3	Daisy, Michaelmas	4	Larkspur	7, 9	Reseda	10	
Antirrhinum	3	Daisy, Painted	12	Lavandula	9	Rhodanth	12	
Aquilegia	3	Daisy, Shasta	13	Lavender	9	Rhubarb	31	
Arabis	3	Daisy, Swan River	4	Lawn Mowers	47, 49	Ricinus	12	
Arctotis	3	Dandelion	25	Lawn Rollers	49	Rose Cress	3	
Armeria	3	Datura	7	Lawn Grass	1	Rose of Heaven	2	
Asparagus	3, 18	Devil-in-the-Bush	10	Leek	25	Rutabaga	33	
Asperula	3	Dianthus	7, 14	Lettuce	25, 26	Rye	36	
Asters	3, 4	Didiscus	7	Lilies	17	Sage	12, 31	
Australian Glory Pea	6	Digitalis	7	Lime Sower	17	Salpiglossis	12	
Baby's Breath	8	Dragon Plant	7	Linaria	9	Salsify	31	
Bachelor Button	5	Echinocystis	7	Loebelia	9	Salvia	12	
Balloon Flower	12	Eggplant	25	Love-in-a-Mist	10	Satin Flower	8	
Balloon Vine	4	Elephant's Ear	17	Love-in-a-Puff	4	Scabiosa	12	
Balsam	4	Endive	23	Love-Lies-Bleeding	2	Scarlet Runner Bean	12	
Balsam Pear	10	Endive, French	25	Lupinus	9	Schizanthus	13	
Baptisia	4	English Daisy	4, 7	Lychnis	9	Sea Holly	7	
Bargains in Tools	53	Eryngium	7	Madeira Vine	17	Sea Pink	3	
Barley	36	Eschscholtzia	7	Madwort	2	Sesames	41	
Beans	18, 19	Eschscholtzia, Push	8	Mangels	20	Sensitive Plant	10	
Beard Tongue	11	Euphorbia	7	Marigold	9, 10	Shasta Daisy	13	
Beets	19, 20	Evening Glory	8	Marshallow	8	Smilax	13	
Bellflower	5	False Dragonhead	11	Marvel of Peru	7, 10	Snadragon	7	
Bellflower, Japanese	12	False Indigo	4	Matricaria	10	Snow-on-the-Mountain	7	
Bellis	4, 7	Farm Tools	54-56	Michaelmas Daisy	4	Solanum	13	
Pelvedere	9	Fencing	40	Mignonette	10	Sorghum	37	
Birds and Supplies	60	Fertilizers	41, 42	Mimosa	10	Special Sale	53	
Black-Eyed Susan	14	Fertilizer Distributors	49, 51	Mimulus	10	Speltz	36	
Blanket Flower	7	Feverfew	10	Misc. Tools	56	Spinach	31	
Blue Bonnet	12	Field Corn	34	Momordica	10	Sprayers	50	
Blue Lace Flower	7	Field Peas	36	Monkey Flower	8	Sprinklers	50	
Borecole	25	Field Seeds	34-37	Monkshood	2	Squash	32	
Poston Ivy	3	Fish and Supplies	63	Moonflower	8	Stocks	14	
Prachycome	4	Flax	9	Morning Glory	6	Stokesia	14	
Broccoli	20	Floss Flower	2	Mourning Bride	12	Strawflower	8	
Brussels Sprouts	21	Flowering Maple	2	Mulch Paper	37	Sugar Cane	37	
Ruckwheat	36	Flower Pots, Etc.	63	Mushroom	27	Summer Cypress	9	
Bulbs	16, 17	Flower Seeds	2-14	Muskmelon	26, 27	Sunflower	36	
Butterfly Flower	13	Forget-Me-Not	10	Musk Plant	10	Sun Plant	1	
Cabbage	21	Forget-Me-Not, Chinese	6	Mustard	27	Supplies, Misc.	44-46	
Caladium	17	Four O'clock	7, 10	Myosotis	10	Swan River Daisy	4	
Calceolaria	4	Foxglove	7	Nasturtiums	10, 27	Swan River Everlasting	12	
Calendula	4	French Endive	23	Nemesia	10	Swiss Chard	32	
California Poppy	7	Fringe Flower	12	Nicotiana	10	Sweet Corn	23, 24	
Calliopis	4	Gaillardia	7	Nigella	10	Sweet Peas	13	
Campanula	5	Garden Furniture	38, 39	Nitragin	42	Sweet Pea, Everlasting	9	
Canary Bird Vine	5	Geum	8	Oats	36	Sweet Rocket	14	
Candytuft	5	Geranium	8	Okra	27	Sweet Scabious	12	
Canna	5, 17	Gilia	16	Onions	27, 28	Sweet Sultans	5	
Canterbury Bells	5	Globe Amaranth	8	Old Maid	14	Sweet William	14	
Cardinal Climber	8	Gloxinia	8	Ornamental Grasses	8	Sweet Woodruff	3	
Cardinal Flower	9	Godetia	8	Painted Daisy	12	Tagetes	9, 10	
Carnation	9	Gomphrena	8	Painted Tongue	12	Thunbergia	14	
Carrots	22	Golf Cart	48	Pansies	11	Timothy	14	
Castor Oil Bean	12	Golf Flags	48	Parsley	28	Tobacco	32	
Cat & Dog Supplies	61, 62	Gourds	8	Parsnips	28	Tomato	32, 33	
Cauliflower	22	Grafting Wax	43	Peas	28, 29	Tomato	44, 46, 56	
Celery	22, 23	Grasses, Ornamental	8	Peas, Field	36	Tools, Sale	53	
Celery	22, 23	Grass Seeds	37	Pelargonium	11	Topepo	33	
Celosia	5	Gumbo	27	Pentstemon	8	Tropaeolum	5, 10	
Centaurea	5	Gypsophila	8	Periwinkle	14	Trumpet Flower	7	
Cheiranthus	5	Hardy Marguerite	3	Pepper	30	Tuberose	17	
Cherry Pie	8	Hardy Sweet Pea	9	Peppergrass	24	Tulip Poppy	8	
Chervil	23	Hedge Trimmer	49	Pet Department	60-63	Turnips	33	
Chicory	23	Helichrysum	8	Petunia	11	Verbena	14	
Chinese Forget-Me-Not	6	Heliotrope	8	Phlox	11	Vetch	37	
Chinese Lantern	11	Herbs	25, 32	Physalis	11	Vinca	14	
Chinese Woolflower	5	Hesperis	14	Physostegia	11	Wallflower	5, 14	
Chrysanthemum	6	Heuchera	8			Watermelon	27	
Cineraria	6	Hibiscus	8			Wheat	36	
Cinnamon Vine	17	Hollyhock	8			Wild Cucumber Vine	7	
Clarkia	6	Honesty	8			Wild Garden Seeds	14	
Clematis	6	Horseradish	25			Windflower	3	
Clianthus	6					Winged Everlasting	3	
Clovers	37					Wolfsbane	2	
Clover, White Dutch	1					YOUTH and Old Age	14	
Cobaea	6					Zinnias	14	
Cockscomb	5							
Coleus	6							
Collards	23							
Columbine	3							

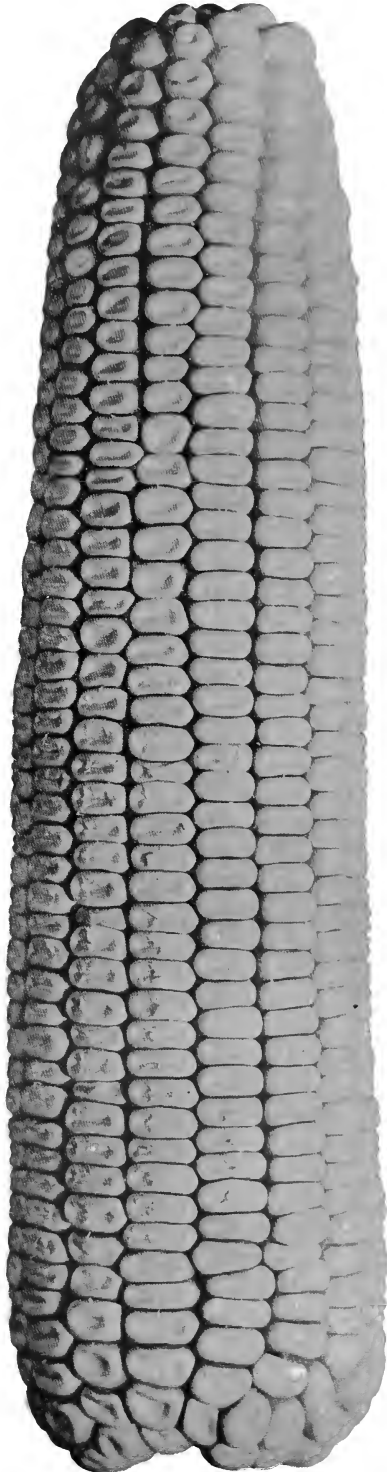
HIGHEST QUALITY FARM SEEDS

Stocks of our choice and selected Garden, Farm and Field Seeds have all been carefully selected for purity, vigor, high yield, and adaptability to conditions in this part of the country. They conform in all respects with the various State Seed Laws.

We will be pleased to quote you latest prices by return mail, on receipt of your inquiry.



Golden Bantam.



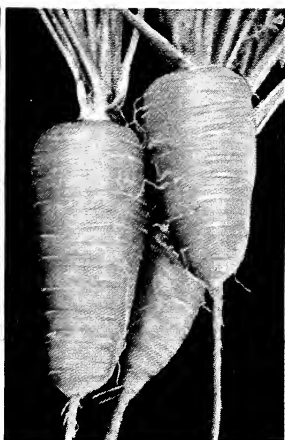
Ebeling's Silo Filler.



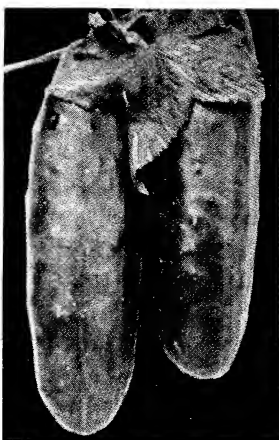
Longfellow Flint.



Radishes.



Carrots.

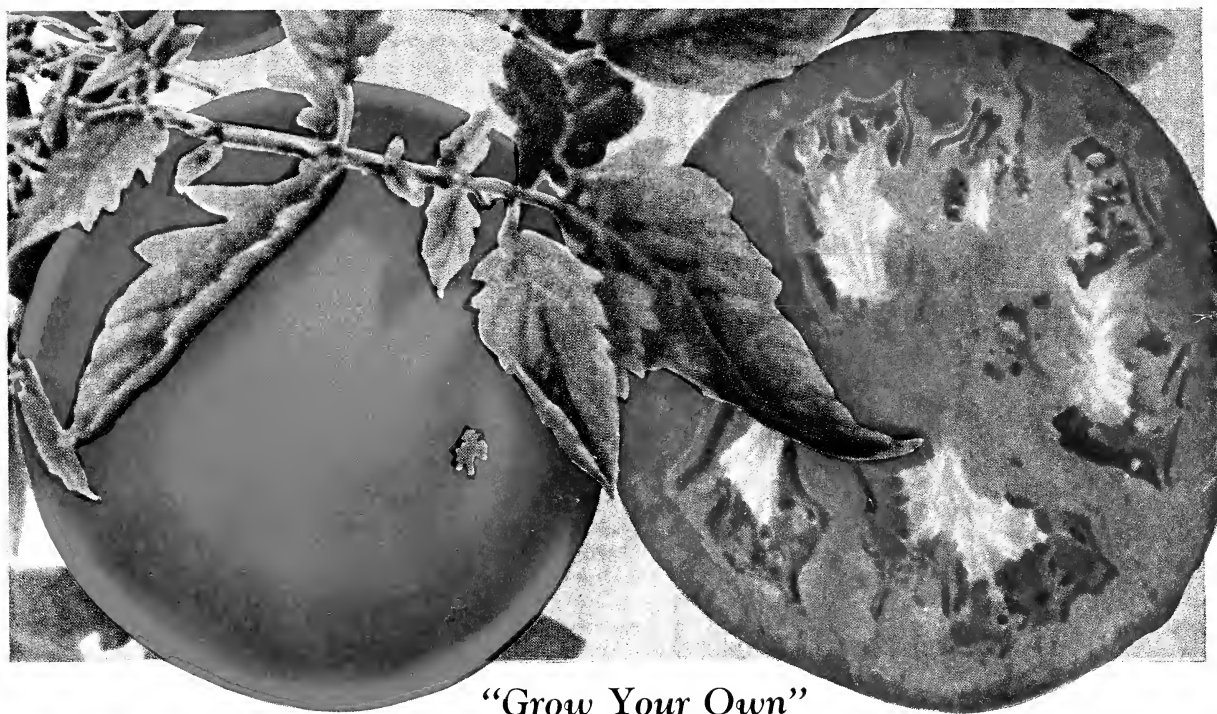


Cucumbers.

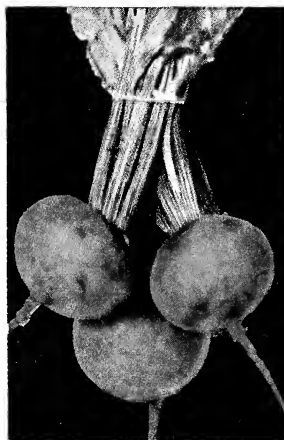


Sweet Corn.

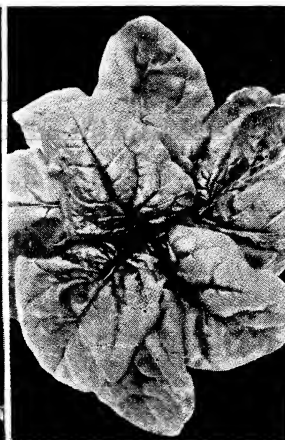
FOR BEST RESULTS, PLANT EBELING'S SEEDS



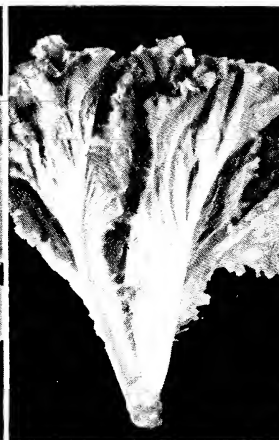
"Grow Your Own"



Beets.



Spinach.



Lettuce.



Onion.